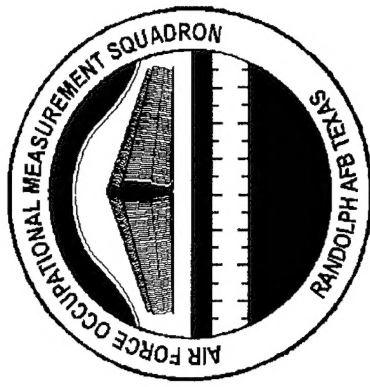




**UNITED STATES AIR FORCE**  
**TRAINING**  
**EXTRACT**



AFSC 3C1X1 - ANG/AFRC

RADIO COMMUNICATIONS SYSTEMS

ANG/AFRC

OSSN 2521

April 2003

OCCUPATIONAL ANALYSIS PROGRAM  
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON  
AIR EDUCATION and TRAINING COMMAND  
1550 5TH STREET EAST  
RANDOLPH AFB, TEXAS 78150-4449

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CODAP Study Number: 2521

Study Title: Radio Communications Systems

AFSC(s): 3C1X1 - ANG/AFRC

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Job Inventory Date: June 2002

OSR Date: April 2003

Training Extract Date: April 2003

## THE TRAINING EXTRACT

The enclosed Training Extract has been compiled to assist you in making training decisions. It is comprised of a series of computer printouts which show data collected from your specialty. By learning to understand this document and how it applies to training programs, you will find it to be a valuable source of information.

### READING THE TRAINING EXTRACT

**TABLE OF CONTENTS:** The first page of the Training Extract lists a Table of Contents. The Table of Contents reports five things:

1. Report Number - shows the number and sequence of computer products in the Training Extract.
2. Element - shows the report ID of each computer product in the Training Extract. These numbers are of use only to OMSQ personnel.
3. Program - shows the types of computer products included in the Training Extract. Usually there will be three types listed: (1) PRTRMOD, (2) VARSUM, and (3) PRTRFAC. Each type of printout will be discussed in more detail below.
4. Report Title - describes the general contents of each computer product included in the Training Extract.
5. Page Number - shows the page on which the respective products begin. These numbers are located at the bottom center of the page.

### TYPES OF COMPUTER PRODUCTS:

**PRTRMOD:** This computer product can display occupational survey data in a variety of ways. Primary displays included in most Training Extracts are:

- (1) in job inventory order (by duty)
- (2) in STS order
- (3) in POI order

The first page of each PRTRMOD contains information which is useful primarily to OMSQ Analysts. Of primary interest to the user is the "Description of Reported Task Factors" section at the bottom of the page. This section lists the full titles and the number of members in each data group represented across the various columns of the printout. The actual data display begins on page 2 of the individual printout. This page begins with an introductory paragraph which describes the type of data contained in the product. The actual data follows the introductory paragraph. For information on groups or task factors displayed in the column headings, refer to the listing on page 1. When a column heading describes a group of incumbents, the numbers listed below represent the percent of group members who are performing the task listed at the left-hand side of the page. Where the column heading describes a task factor such as Training Emphasis, Task Difficulty, or Automated Training Indicator (ATI), the numbers below represent the value of that task factor for the given task.

Training emphasis refers to the importance of providing training of the given task in some type of formal structured training program, such as resident technical training schools, field training, or formal OJT. It only applies to recommended training for first-enlistment personnel (those with 1-48 months TARMS) or, in the case of lateral career ladders, first-assignment or first-job personnel (those with 1-48 months TICF). It does not apply when examining advanced courses for a career ladder. Tasks which senior career ladder personnel believe should be trained for first-enlistment personnel have high training emphasis values, while those tasks which they believe do not require formal training have low training emphasis values.

Task difficulty refers to the length of time required for the average job incumbent to learn to perform a task. Task difficulty ratings are always standardized so that tasks having average task difficulty have a mean of 5.0. Tasks with values above 5.0 are considered more difficult to learn than those with values below 5.0.

**VARSUM:** While the PRTMOD product provides data on the various tasks being performed, the VARSUM product presents information concerning the responses of career ladder incumbents to the various background questions in the job inventory. Page 1 of the VARSUM lists the groups which are displayed on the product, showing a group ID number, group title, and number of people in the group. These group identities define the groups which comprise the column headings on each page of the VARSUM product. Along the left-hand side of each page, you will see a series of variable numbers, followed by their respective descriptions (i.e. V0000 Equip Used - Automatic Film Processors). Each variable represents a response to a background question. For background questions which allow multiple responses, each response is given below the variable number. In most cases, only the "yes" responses will be displayed. The numbers to the right of each response represent the percentage of the given group (as identified on the first page of the product) who gave that particular response to the question.

**PRTFAC:** This product is very similar to the PRTMOD in that it displays percentages of people performing tasks, as well as Training Emphasis, Task Difficulty, and Automated Training Indicator (ATI) data. The PRTFAC product however, is used to display task data in descending order of some task factor, such as training emphasis. The two primary PRTFAC products included in the Training Extract display inventory tasks in descending order of Training Emphasis value, and inventory tasks in descending order of the computed Automated Training Indicator (ATI) value.

To help in interpreting Training Emphasis ratings shown on several of the data products, standardized abbreviations are used. These abbreviations are as follows:

MEAN = Average Training Emphasis Rating  
1 SD = 1 Standard Deviation above Mean Training Emphasis Rating  
2 SD = 2 Standard Deviations above Mean Training Emphasis Rating  
  
ABOVE AVG = "ABOVE AVERAGE" in Training Emphasis; Tasks that fall between the Mean and 1 SD  
HIGH = "HIGH" in Training Emphasis; Tasks that fall between 1 SD and 2 SD  
VERY HIGH = "VERY HIGH" in Training Emphasis; Tasks that fall above 2 SD

This document has been designed and prepared as a final summary document containing data printouts which were used in analyzing the occupational survey data collected on this AFSC. We hope this brief summary assists you in utilizing the data presented in this Training Extract. If you need additional information that is not contained in this Extract, please feel free to contact one of our analysts at DSN 487-6811 for assistance.



# T A B L E O F C O N T E N T S

Page 1

| Report | Element | Program | Title   | Page |
|--------|---------|---------|---|------|
| 1.     | RP0149  | prtmod  | AFSC 3C1X1 ANG/AFRC Data Displayed in Inv Order | 1    |
| 2.     | RP0150  | prtmod  | STS 3C1X1 Displayed with ANG/AFRC Data          | 14   |
| 3.     | RP0151  | varsum  | Background info - 3C1X1 ANG Equip DAFSC Groups  | 66   |
| 4.     | RP0152  | varsum  | Background info - 3C1X1 AFRC Equip DAFSC Groups | 84   |

### Report Option Table for Modules

| Option         | Status             |
|----------------|--------------------|
| Primary Sort   | Inventory Sequence |
| Secondary Sort | Not Used           |
| Print Suppress | Not Used           |

## Report Option Table for Tasks

| Option         | Status             |
|----------------|--------------------|
| Primary Sort   | Inventory Sequence |
| Secondary Sort | Not Used           |
| Print Suppress | Not Used           |

### Description of Reported Module Factors

| Col | Factor | Source vector | Title                                   | Number<br>Members | -----<br>Mean | Based on All<br>S.D. | Tasks Within<br>Max | Range<br>Min | Valid |
|-----|--------|---------------|---|-------------------|---------------|----------------------|---------------------|--------------|-------|
| 1   | TITLE  |               | Module Statement                        |                   |               |                      |                     |              |       |
| 1   | TITLE  |               | Task Statement                          |                   |               |                      |                     |              |       |
| 2   | F0012  | GP0012/PMP    | All Air Guard Airmen with DAFSC 3C1X1   | 69                | 21.26         | 14.33                | 84.06               | .00          | 370   |
| 3   | F0013  | GP0013/PMP    | All Air Guard Airmen with DAFSC 3C151   | 28                | 16.25         | 14.51                | 89.29               | .00          | 370   |
| 4   | F0014  | GP0014/PMP    | All Air Guard Airmen with DAFSC 3C171   | 35                | 22.73         | 17.64                | 85.71               | .00          | 370   |
| 5   | F0015  | GP0015/PMP    | All Air Guard Airmen with DAFSC 3C191   | 6                 | 36.04         | 33.34                | 100.00              | .00          | 370   |
| 6   | F0016  | GP0016/PMP    | All Air Reserve Airmen with DAFSC 3C1X1 | 87                | 28.11         | 18.72                | 81.61               | .00          | 370   |
| 7   | F0017  | GP0017/PMP    | All Air Reserve Airmen with DAFSC 3C151 | 35                | 22.06         | 19.21                | 77.14               | .00          | 370   |
| 8   | F0018  | GP0018/PMP    | All Air Reserve Airmen with DAFSC 3C171 | 47                | 33.33         | 20.04                | 82.98               | .00          | 370   |
| 9   | F0019  | GP0019/PMP    | All Air Reserve Airmen with DAFSC 3C191 | 5                 | 21.35         | 22.67                | 100.00              | .00          | 370   |

AFSC 3C1X1 tasks are presented in USAF Job Inventory order under Duty headings.

The percent of ANG/AFRC DAFSC group members performing each task is presented to the right of each task.

Note that tasks are listed in alphabetical order under each Duty heading so that tasks may be easily located and cross-referenced. Differences between groups may be highlighted where there are large differences in percent members performing each task across the various groups.

| D<br>T<br>Y                                    | Task<br>Title   | ANG |    | ANG |     | ANG |    | AFRC |     | AFRC |   | AFRC |   |
|--|---|-----|----|-----|-----|-----|----|------|-----|------|---|------|---|
|  |   | TOT | 5  | 7   | 9   | TOT | 5  | 7    | 9   | TOT  | 5 | 7    | 9 |
| -----<br>A SETTING UP RADIO EQUIPMENT<br>----- |   |     |    |     |     |     |    |      |     |      |   |      |   |
| A0001  | Connect or disconnect antenna couplers  | 57  | 79 | 49  | 0   | 72  | 69 | 74   | 80  |      |   |      |   |
| A0002  | Connect or disconnect antennas to radio equipment   | 65  | 89 | 54  | 17  | 75  | 77 | 74   | 60  |      |   |      |   |
| A0003  | Connect or disconnect commercial power supplies   | 39  | 50 | 34  | 17  | 46  | 31 | 53   | 80  |      |   |      |   |
| A0004  | Connect or disconnect computer equipment  | 54  | 64 | 46  | 50  | 72  | 69 | 72   | 100 |      |   |      |   |
| A0005  | Connect or disconnect cryptographic equipment   | 68  | 79 | 60  | 67  | 70  | 69 | 68   | 100 |      |   |      |   |
| A0006  | Cut antenna lengths   | 17  | 21 | 17  | 0   | 41  | 37 | 47   | 20  |      |   |      |   |
| A0007  | Install grounding systems   | 33  | 36 | 34  | 17  | 60  | 66 | 57   | 40  |      |   |      |   |
| A0008  | Key or zeroize secure cryptographic systems   | 84  | 79 | 86  | 100 | 82  | 77 | 83   | 100 |      |   |      |   |
| A0009  | Preset dual-tone multifrequency (DTMF) controlled receivers or transmitters   | 10  | 18 | 6   | 0   | 17  | 17 | 19   | 0   |      |   |      |   |
| A0010  | Rotate antennas using radio dial codes or azimuth control boxes   | 14  | 29 | 6   | 0   | 23  | 23 | 26   | 0   |      |   |      |   |
| A0011  | Select antennas using antenna matrix systems or patch panels  | 7   | 11 | 3   | 17  | 13  | 9  | 17   | 0   |      |   |      |   |
| A0012  | Select back-up receivers or transmitters  | 29  | 43 | 20  | 17  | 38  | 31 | 47   | 0   |      |   |      |   |
| A0013  | Select frequency-of-optimum transmissions (FOTs)  | 22  | 32 | 17  | 0   | 43  | 43 | 45   | 20  |      |   |      |   |
| A0014  | Select transmit power   | 33  | 43 | 31  | 0   | 41  | 37 | 47   | 20  |      |   |      |   |
| A0015  | Set time generators on recorders  | 6   | 11 | 0   | 17  | 1   | 0  | 2    | 0   |      |   |      |   |
| A0016  | Set up antenna masts  | 61  | 82 | 51  | 17  | 68  | 69 | 70   | 40  |      |   |      |   |
| A0017  | Set up controlled safety or security areas  | 35  | 36 | 29  | 67  | 60  | 63 | 60   | 40  |      |   |      |   |
| A0018  | Set up facsimile transmission equipment   | 20  | 11 | 23  | 50  | 38  | 37 | 40   | 20  |      |   |      |   |
| A0019  | Set up high frequency (HF), very high frequency (VHF), ultrahigh frequency (UHF), or extremely high frequency (EHF) mobile satellite antennas | 49  | 61 | 46  | 17  | 64  | 69 | 66   | 20  |      |   |      |   |
| A0020  | Set up land mobile radio (LMR) networks   | 19  | 25 | 17  | 0   | 45  | 49 | 47   | 0   |      |   |      |   |
| A0021  | Set up LMR repeater networks  | 10  | 21 | 3   | 0   | 33  | 31 | 38   | 0   |      |   |      |   |
| A0022  | Set up mobile international maritime satellite (INMARSAT) equipment   | 12  | 25 | 3   | 0   | 30  | 31 | 30   | 20  |      |   |      |   |
| A0023  | Set up mobile HF, VHF, UHF, or EHF satellite transceivers   | 35  | 43 | 31  | 17  | 57  | 60 | 60   | 20  |      |   |      |   |
| A0024  | Set up patch panels   | 9   | 18 | 3   | 0   | 6   | 3  | 9    | 0   |      |   |      |   |
| A0025  | Set up phone patch equipment  | 17  | 18 | 20  | 0   | 16  | 6  | 26   | 0   |      |   |      |   |

| D<br>T<br>Y                   | Task<br>Nbr | Task Title   | ANG |    |    | ANG |     |    | AFRC |    |     | AFRC |   |   |
|-------------------------------|-------------|--|-----|----|----|-----|-----|----|------|----|-----|------|---|---|
|                               |             |  | TOT | 5  | 7  | 9   | ANG | 5  | 7    | 9  | TOT | 5    | 7 | 9 |
| B CONFIGURING RADIO EQUIPMENT |             |  |     |    |    |     |     |    |      |    |     |      |   |   |
| A0026                         |             | Set up radio equipment   | 52  | 61 | 51 | 17  | 74  | 77 | 74   | 40 |     |      |   |   |
| A0027                         |             | Set up or operate auxiliary generators, such as fixed, mobile, or transportable  | 22  | 21 | 23 | 17  | 51  | 46 | 55   | 40 |     |      |   |   |
| A0028                         |             | Site radio antennas or equipment   | 45  | 57 | 43 | 0   | 61  | 60 | 64   | 40 |     |      |   |   |
| A0029                         |             | Tune receivers, transceivers, or transmitters  | 46  | 54 | 49 | 0   | 52  | 49 | 57   | 20 |     |      |   |   |
| A0030                         |             | Verify keying of cryptographic equipment   | 68  | 46 | 83 | 83  | 71  | 69 | 74   | 60 |     |      |   |   |
| A0031                         |             | Verify radio nets for tactical or nontactical radios   | 26  | 25 | 29 | 17  | 52  | 54 | 55   | 0  |     |      |   |   |
| A0032                         |             | Verify or load equipment presets   | 36  | 46 | 29 | 33  | 55  | 49 | 66   | 0  |     |      |   |   |
| B CONFIGURING RADIO EQUIPMENT |             |  |     |    |    |     |     |    |      |    |     |      |   |   |
| B0033                         |             | Adjust antenna tuning units  | 25  | 36 | 20 | 0   | 33  | 29 | 40   | 0  |     |      |   |   |
| B0034                         |             | Change receiver, transceiver, or transmitter frequencies manually or by remote control   | 32  | 36 | 34 | 0   | 55  | 51 | 60   | 40 |     |      |   |   |
| B0035                         |             | Change recorder-receiver pairings  | 1   | 4  | 0  | 0   | 0   | 0  | 0    | 0  |     |      |   |   |
| B0036                         |             | Configure ancillary equipment for operations   | 14  | 14 | 17 | 0   | 33  | 29 | 40   | 0  |     |      |   |   |
| B0037                         |             | Configure computers for data operations  | 28  | 39 | 17 | 33  | 41  | 43 | 40   | 40 |     |      |   |   |
| B0038                         |             | Configure consoles for back-to-back operations   | 14  | 14 | 14 | 17  | 5   | 6  | 4    | 0  |     |      |   |   |
| B0039                         |             | Configure consoles for clear voice operations  | 16  | 18 | 14 | 17  | 16  | 17 | 17   | 0  |     |      |   |   |
| B0040                         |             | Configure consoles for switchboard dial code operations  | 3   | 7  | 0  | 0   | 1   | 3  | 0    | 0  |     |      |   |   |
| B0041                         |             | Configure consoles or terminals for Milstar operations   | 3   | 4  | 3  | 0   | 2   | 6  | 0    | 0  |     |      |   |   |
| B0042                         |             | Configure consoles or terminals for phone patch operations   | 9   | 14 | 6  | 0   | 9   | 6  | 13   | 0  |     |      |   |   |
| B0043                         |             | Configure equipment for duplex or simplex operations   | 12  | 7  | 17 | 0   | 18  | 9  | 28   | 0  |     |      |   |   |
| B0044                         |             | Configure facsimile equipment  | 13  | 7  | 14 | 33  | 32  | 31 | 34   | 20 |     |      |   |   |
| B0045                         |             | Configure Hammer Rapid Initial Communications Kit (RICK) equipment for voice or data communications                                | 6   | 4  | 9  | 0   | 1   | 3  | 0    | 0  |     |      |   |   |
| B0046                         |             | Configure line printers  | 12  | 7  | 11 | 33  | 32  | 29 | 38   | 0  |     |      |   |   |
| B0047                         |             | Configure radios for demand assigned multiple access (DAMA) operations   | 20  | 18 | 26 | 0   | 40  | 37 | 45   | 20 |     |      |   |   |
| B0048                         |             | Configure terminals for alternate or net control station (NCS) operations  | 12  | 11 | 14 | 0   | 24  | 29 | 23   | 0  |     |      |   |   |
| B0049                         |             | Configure terminals for cross-banding  | 7   | 11 | 6  | 0   | 5   | 9  | 2    | 0  |     |      |   |   |
| B0050                         |             | Configure terminals for multiple-hop operations  | 10  | 18 | 3  | 17  | 16  | 17 | 17   | 0  |     |      |   |   |
| B0051                         |             | Configure terminals for slave-to-master operations   | 7   | 14 | 3  | 0   | 7   | 9  | 6    | 0  |     |      |   |   |
| B0052                         |             | Configure transceivers for back-to-back operations   | 9   | 7  | 11 | 0   | 5   | 9  | 2    | 0  |     |      |   |   |
| B0053                         |             | Configure transceivers for clear or secure voice operations  | 30  | 32 | 26 | 50  | 43  | 37 | 51   | 0  |     |      |   |   |
| B0054                         |             | Configure transceivers for Have Quick operations   | 14  | 14 | 9  | 50  | 16  | 17 | 17   | 0  |     |      |   |   |
| B0055                         |             | Configure transceivers for phone patch operations  | 13  | 7  | 20 | 0   | 16  | 6  | 26   | 0  |     |      |   |   |
| B0056                         |             | Configure transceivers for secure radio data transfer  | 26  | 29 | 20 | 50  | 41  | 40 | 47   | 0  |     |      |   |   |
| B0057                         |             | Configure transceivers for switchboard dial code operations  | 1   | 4  | 0  | 0   | 1   | 3  | 0    | 0  |     |      |   |   |
| B0058                         |             | Configure transportable switchboard or telephone equipment for phone patch, secure voice data, or switchboard dial code operations | 9   | 11 | 9  | 0   | 10  | 11 | 11   | 0  |     |      |   |   |
| B0059                         |             | Reconfigure antennas   | 42  | 50 | 43 | 0   | 52  | 51 | 53   | 40 |     |      |   |   |

D  
T Task  
Y Nbr

Task Title

ANG ANG ANG ANG ANG ANG ANG ANG ANG  
TOT 5 7 9 TOT 5 7 9

C MAINTAINING RADIO EQUIPMENT

|       |  |    |    |    |    |    |    |    |    |
|-------|--|----|----|----|----|----|----|----|----|
| C0060 | Change computer diskettes or tapes                           | 38 | 18 | 51 | 50 | 62 | 60 | 64 | 60 |
| C0061 | Change paper in high-speed printers                          | 36 | 25 | 43 | 50 | 46 | 49 | 43 | 60 |
| C0062 | Change or store magnetic media or recording tapes            | 13 | 7  | 14 | 33 | 16 | 11 | 19 | 20 |
| C0063 | Clean facsimile equipment                                    | 14 | 11 | 11 | 50 | 26 | 23 | 28 | 40 |
| C0064 | Clean printers   | 26 | 25 | 17 | 83 | 40 | 31 | 47 | 40 |
| C0065 | Clean radio equipment filters                                | 20 | 21 | 23 | 0  | 43 | 29 | 53 | 40 |
| C0066 | Clean recorder-reproducer heads                              | 3  | 4  | 3  | 0  | 6  | 6  | 6  | 0  |
| C0067 | Degauss recording tapes                                      | 3  | 4  | 0  | 17 | 7  | 6  | 6  | 20 |
| C0068 | Inspect communications equipment cables or cable connections | 38 | 39 | 37 | 33 | 57 | 49 | 66 | 40 |
| C0069 | Operate or maintain recording devices                        | 13 | 21 | 6  | 17 | 13 | 3  | 21 | 0  |
| C0070 | Perform operational checks of ancillary equipment            | 16 | 11 | 20 | 17 | 36 | 29 | 45 | 0  |
| C0071 | Perform operational checks of radio systems                  | 42 | 54 | 37 | 17 | 61 | 66 | 60 | 40 |
| C0072 | Repair antennas, other than tactical antennas                | 16 | 21 | 11 | 17 | 21 | 17 | 26 | 0  |
| C0073 | Repair tactical antennas                                     | 29 | 29 | 17 | 0  | 31 | 29 | 34 | 20 |
| C0074 | Replace radio system components, such as bulbs or fuses      | 19 | 14 | 23 | 17 | 46 | 34 | 55 | 40 |

D PERFORMING RADIO OPERATIONAL PROCEDURES

|       |  |    |    |    |    |    |    |    |    |
|-------|--|----|----|----|----|----|----|----|----|
| D0075 | Authenticate message traffic using transmission authentication systems                     | 39 | 29 | 43 | 67 | 64 | 71 | 64 | 20 |
| D0076 | Authenticate stations using challenge-and-reply systems                                    | 42 | 36 | 46 | 50 | 62 | 66 | 62 | 40 |
| D0077 | Broadcast radio transmissions  | 41 | 54 | 37 | 0  | 53 | 57 | 51 | 40 |
| D0078 | Check stations into or out of net  | 33 | 29 | 40 | 17 | 57 | 57 | 60 | 40 |
| D0079 | Conduct command, control, communications countermeasures (C3CM) using operating procedures | 23 | 14 | 31 | 17 | 46 | 43 | 51 | 20 |
| D0080 | Conduct data or voice transmissions using universal coordinated time (UCT)                 | 33 | 29 | 40 | 17 | 43 | 37 | 47 | 40 |
| D0081 | Conduct data transmission using phonetic alphabet  | 46 | 54 | 43 | 33 | 54 | 54 | 55 | 40 |
| D0082 | Conduct data transmission using prosigns   | 30 | 29 | 34 | 17 | 55 | 60 | 53 | 40 |
| D0083 | Conduct data transmission using prowords   | 30 | 29 | 34 | 17 | 54 | 57 | 53 | 40 |
| D0084 | Conduct net roll calls or polls  | 22 | 14 | 29 | 17 | 41 | 34 | 47 | 40 |
| D0085 | Conduct phone patches automatically or manually  | 19 | 11 | 26 | 17 | 16 | 6  | 26 | 0  |
| D0086 | Coordinate aircraft positions with direction-finding (DF) facilities                       | 0  | 0  | 0  | 0  | 8  | 9  | 9  | 0  |
| D0087 | Coordinate spectrum interferences with DF facilities                                       | 6  | 4  | 6  | 17 | 7  | 6  | 9  | 0  |
| D0088 | Determine operating frequencies  | 28 | 21 | 31 | 33 | 49 | 46 | 53 | 40 |
| D0089 | Determine types of spectrum interferences  | 25 | 4  | 37 | 50 | 25 | 17 | 34 | 0  |
| D0090 | Direct users to tune to your count   | 12 | 4  | 20 | 0  | 25 | 11 | 36 | 20 |
| D0091 | Encode or decode messages automatically or manually  | 35 | 21 | 46 | 33 | 57 | 54 | 62 | 40 |
| D0092 | Identify incoming calls using call-sign lists  | 33 | 39 | 31 | 17 | 55 | 51 | 62 | 20 |

D

T Task  
Y Nbr

Task Title

| ANG<br>TOT | ANG<br>5 | ANG<br>7 | ANG<br>9 | ANG<br>9 | AFRC<br>TOT | AFRC<br>5 | AFRC<br>7 | AFRC<br>9 |
|------------|----------|----------|----------|----------|-------------|-----------|-----------|-----------|
| D0093      | 14       | 7        | 23       | 0        | 28          | 26        | 32        | 0         |
| D0094      | 12       | 7        | 14       | 17       | 24          | 17        | 32        | 0         |
| D0095      | 22       | 18       | 29       | 0        | 37          | 31        | 43        | 20        |
| D0096      | 30       | 32       | 34       | 0        | 48          | 40        | 55        | 40        |
| D0097      | 12       | 14       | 9        | 17       | 16          | 11        | 21        | 0         |
| D0098      | 10       | 7        | 14       | 0        | 15          | 9         | 21        | 0         |
| D0099      | 29       | 18       | 37       | 33       | 44          | 34        | 51        | 40        |
| D0100      | 33       | 29       | 43       | 0        | 46          | 40        | 51        | 40        |
| D0101      | 48       | 50       | 49       | 33       | 67          | 66        | 70        | 40        |
| D0102      | 38       | 54       | 31       | 0        | 47          | 37        | 55        | 40        |
| D0103      | 14       | 11       | 20       | 0        | 13          | 6         | 19        | 0         |
| D0104      | 36       | 29       | 46       | 17       | 55          | 46        | 64        | 40        |
| D0105      | 10       | 4        | 11       | 33       | 14          | 11        | 17        | 0         |
| D0106      | 19       | 21       | 17       | 17       | 24          | 11        | 34        | 20        |
| D0107      | 12       | 18       | 9        | 0        | 13          | 9         | 17        | 0         |
| D0108      | 13       | 7        | 20       | 0        | 24          | 17        | 32        | 0         |
| D0109      | 29       | 21       | 40       | 0        | 51          | 49        | 53        | 40        |
| D0110      | 14       | 25       | 6        | 17       | 20          | 17        | 23        | 0         |
| D0111      | 12       | 18       | 6        | 17       | 23          | 23        | 26        | 0         |
| D0112      | 12       | 18       | 6        | 17       | 16          | 11        | 21        | 0         |
| D0113      | 12       | 18       | 6        | 17       | 22          | 17        | 28        | 0         |
| D0114      | 28       | 36       | 23       | 17       | 41          | 46        | 43        | 0         |
| D0115      | 36       | 46       | 31       | 17       | 54          | 51        | 62        | 0         |
| D0116      | 26       | 14       | 34       | 33       | 24          | 11        | 36        | 0         |
| D0117      | 7        | 14       | 3        | 0        | 9           | 6         | 13        | 0         |

E TROUBLESHOOTING RADIO EQUIPMENT

|       |    |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|----|----|
| E0118 | 41 | 57 | 34 | 0  | 60 | 54 | 66 | 40 |
| E0119 | 38 | 32 | 43 | 33 | 45 | 40 | 49 | 40 |
| E0120 | 12 | 18 | 6  | 17 | 14 | 17 | 13 | 0  |
| E0121 | 45 | 36 | 49 | 67 | 55 | 57 | 57 | 20 |
| E0122 | 6  | 11 | 3  | 0  | 7  | 0  | 13 | 0  |
| E0123 | 7  | 11 | 3  | 17 | 9  | 6  | 13 | 0  |
| E0124 | 16 | 11 | 17 | 33 | 30 | 31 | 30 | 20 |
| E0125 | 13 | 14 | 14 | 0  | 39 | 34 | 43 | 40 |
| E0126 | 6  | 4  | 9  | 0  | 1  | 0  | 2  | 0  |
| E0127 | 16 | 14 | 14 | 33 | 33 | 29 | 36 | 40 |
| E0128 | 23 | 25 | 20 | 33 | 48 | 40 | 57 | 20 |
| E0129 | 9  | 7  | 11 | 0  | 34 | 34 | 38 | 0  |
| E0130 | 6  | 11 | 3  | 0  | 1  | 3  | 0  | 0  |
| E0131 | 20 | 14 | 29 | 0  | 45 | 43 | 47 | 40 |
| E0132 | 10 | 18 | 6  | 0  | 7  | 0  | 13 | 0  |

| D<br>T Tsk<br>Y Nbr | Task Title   | ANG<br>TOT | ANG<br>5 | ANG<br>7 | ANG<br>9 | AFRC<br>TOT | AFRC<br>5 | AFRC<br>7 | AFRC<br>9 |
|---------------------|--|------------|----------|----------|----------|-------------|-----------|-----------|-----------|
|                     |  |            |          |          |          |             |           |           |           |
| E0133               | Identify telephone malfunctions  | 17         | 11       | 23       | 17       | 37          | 26        | 47        | 20        |
| E0134               | Identify terminal malfunctions   | 13         | 18       | 11       | 0        | 14          | 9         | 19        | 0         |
| F                   | PERFORMING COMBAT CREW COMMUNICATIONS ACTIVITIES   |            |          |          |          |             |           |           |           |
| F0135               | Assemble, issue, retrieve, or break down daily training communication kits                           | 39         | 14       | 49       | 100      | 43          | 46        | 40        | 40        |
| F0136               | Assemble, issue, retrieve, or break down exercise or contingency conventional communication kits     | 35         | 11       | 43       | 100      | 40          | 37        | 40        | 60        |
| F0137               | Assemble, issue, retrieve, or break down single integrated operations plan (SIOP) communication kits | 35         | 7        | 46       | 100      | 26          | 23        | 30        | 20        |
| F0138               | Assemble, issue, retrieve, or update flight information publication (FLIP) bags                      | 23         | 7        | 29       | 67       | 29          | 26        | 32        | 20        |
| F0139               | Brief aircrews on communications procedures  | 35         | 14       | 40       | 100      | 29          | 26        | 32        | 20        |
| F0140               | Conduct aircrew or missile crew premission briefings or postmission debriefings                      | 22         | 4        | 26       | 83       | 18          | 11        | 23        | 20        |
| F0141               | Conduct exercise or contingency briefings or debriefings   | 26         | 7        | 29       | 100      | 31          | 20        | 36        | 60        |
| F0142               | Conduct SIOP or safe passage communications training   | 30         | 7        | 37       | 100      | 25          | 17        | 32        | 20        |
| F0143               | Construct or maintain combat mission folders (CMFs)  | 26         | 7        | 31       | 83       | 22          | 17        | 26        | 20        |
| F0144               | Create exercise or contingency communications FLIMSYS  | 29         | 7        | 34       | 100      | 22          | 23        | 21        | 20        |
| F0145               | Issue, load, or retrieve time standard modules (TSMs) to aircrews                                    | 10         | 11       | 6        | 33       | 7           | 6         | 6         | 20        |
| F0146               | Issue, load, retrieve or zeroize transfer modules  | 20         | 11       | 20       | 67       | 24          | 23        | 26        | 20        |
| F0147               | Issue, load, or retrieve cryptographic equipment   | 48         | 14       | 69       | 83       | 45          | 43        | 45        | 60        |
| F0148               | Issue or retrieve Identification Friend or Foe (IFF) or Special Identification Feature (SIF) codes   | 30         | 4        | 43       | 83       | 24          | 23        | 26        | 20        |
| F0149               | Operate transfer module service sets (TWSS)  | 4          | 4        | 3        | 17       | 7           | 6         | 6         | 20        |
| F0150               | Review air tasking documents   | 23         | 4        | 26       | 100      | 20          | 14        | 23        | 20        |
| F0151               | Review flying schedules  | 29         | 4        | 37       | 100      | 28          | 23        | 32        | 20        |
| G                   | PERFORMING SATELLITE COMMUNICATIONS (SATCOM) ACTIVITIES  |            |          |          |          |             |           |           |           |
| G0152               | Configure consoles or terminals for secure or nonsecure voice or data communications                 | 26         | 21       | 26       | 50       | 29          | 26        | 34        | 0         |
| G0153               | Configure modems for narrowband operations   | 10         | 11       | 11       | 0        | 14          | 14        | 15        | 0         |
| G0154               | Configure Satellite Communications (SATCOM) remote subsystems  | 14         | 18       | 14       | 0        | 18          | 14        | 23        | 0         |
| G0155               | Configure SATCOM systems for random operations   | 16         | 25       | 11       | 0        | 22          | 14        | 30        | 0         |
| G0156               | Configure SATCOM systems for single-channel transponder systems (SCTPs)                              | 16         | 21       | 14       | 0        | 13          | 11        | 15        | 0         |
| G0157               | Configure SATCOM systems for time division multiplex (TDM) Mode I operations                         | 7          | 11       | 6        | 0        | 8           | 6         | 11        | 0         |
| G0158               | Configure SATCOM systems for TDM Mode II operations  | 4          | 7        | 3        | 0        | 7           | 6         | 9         | 0         |
| G0159               | Establish communications links with command centers  | 14         | 21       | 6        | 33       | 32          | 37        | 30        | 20        |

| prtnod | AFSC 3C1X1 ANG/AFRC Data Displayed in Inv Order                       | PM0008 | 'Occupational Analysis Program'<br>'AFOMS (AETC) Randolph AFB TX' |          |          |          |            |           |           |           |  |  | Page | 7 |
|--------|---|--------|---|----------|----------|----------|------------|-----------|-----------|-----------|--|--|------|---|
| D      | Task Title  |        | ANG<br>TOT  | ANG<br>5 | ANG<br>7 | ANG<br>9 | ANG<br>TOT | AFRC<br>5 | AFRC<br>7 | AFRC<br>9 |  |  |      |   |
| G0160  | Establish communications links with master control centers            |        | 12  | 14       | 11       | 0        | 24         | 26        | 26        | 0         |  |  |      |   |
| G0161  | Establish communications links with mission monitors                  |        | 9   | 11       | 9        | 0        | 20         | 26        | 17        | 0         |  |  |      |   |
| G0162  | Establish communications links with on-station aircraft               |        | 3   | 4        | 3        | 0        | 16         | 20        | 15        | 0         |  |  |      |   |
| G0163  | Establish communications links with primary control centers           |        | 7   | 11       | 6        | 0        | 26         | 29        | 28        | 0         |  |  |      |   |
| G0164  | Initiate or terminate satellite commands                              |        | 4   | 7        | 3        | 0        | 24         | 23        | 28        | 0         |  |  |      |   |
| G0165  | Load SATCOM command post synchronizers                                |        | 7   | 14       | 0        | 17       | 8          | 6         | 11        | 0         |  |  |      |   |
| G0166  | Load terminal software  |        | 7   | 7        | 6        | 17       | 16         | 17        | 17        | 0         |  |  |      |   |
| G0167  | Operate status display units (SDUs)                                   |        | 3   | 4        | 3        | 0        | 3          | 0         | 6         | 0         |  |  |      |   |
| G0168  | Perform antenna position control functions                            |        | 13  | 14       | 14       | 0        | 23         | 20        | 28        | 0         |  |  |      |   |
| G0169  | Perform satellite look-angle procedures                               |        | 13  | 18       | 11       | 0        | 18         | 14        | 23        | 0         |  |  |      |   |
| G0170  | Perform selective message routing procedures                          |        | 3   | 4        | 3        | 0        | 15         | 9         | 21        | 0         |  |  |      |   |
| G0171  | Perform van set up procedures   |        | 7   | 7        | 9        | 0        | 1          | 0         | 2         | 0         |  |  |      |   |
| G0172  | Queue messages  |        | 10  | 7        | 14       | 0        | 21         | 23        | 21        | 0         |  |  |      |   |
| G0173  | Reconfigure SATCOM systems for operations in degraded conditions      |        | 7   | 11       | 6        | 0        | 14         | 6         | 21        | 0         |  |  |      |   |
| G0174  | Reset terminal software   |        | 6   | 11       | 3        | 0        | 10         | 9         | 13        | 0         |  |  |      |   |
| G0175  | Set up or join Air Force Satellite Communication (AFSATCOM) nets      |        | 17  | 25       | 14       | 0        | 24         | 23        | 28        | 0         |  |  |      |   |
| G0176  | Store SATCOM messages   |        | 12  | 14       | 11       | 0        | 24         | 20        | 30        | 0         |  |  |      |   |
| G0177  | Transfer computer data using secure voice communications networks     |        | 16  | 25       | 11       | 0        | 32         | 29        | 38        | 0         |  |  |      |   |
| G0178  | Transmit SATCOM messages  |        | 23  | 29       | 23       | 0        | 39         | 37        | 45        | 0         |  |  |      |   |
| H      | PERFORMING MILSTAR SATELLITE COMMUNICATIONS ACTIVITIES                |        |   |          |          |          |            |           |           |           |  |  |      |   |
| H0179  | Configure Milstar terminals as antenna, communication, or net control |        | 6   | 11       | 3        | 0        | 6          | 9         | 4         | 0         |  |  |      |   |
| H0180  | Configure Milstar terminals as beam management terminals              |        | 6   | 11       | 3        | 0        | 1          | 3         | 0         | 0         |  |  |      |   |
| H0181  | Configure Milstar terminals for DAMA operations                       |        | 6   | 11       | 3        | 0        | 3          | 9         | 0         | 0         |  |  |      |   |
| H0182  | Establish or modify EHF acquisitions or log on parameters             |        | 6   | 11       | 3        | 0        | 0          | 0         | 0         | 0         |  |  |      |   |
| H0183  | Initiate bit procedures or tests                                      |        | 12  | 14       | 11       | 0        | 13         | 6         | 17        | 20        |  |  |      |   |
| H0184  | Log on or off Milstar networks or satellites                          |        | 6   | 7        | 6        | 0        | 3          | 6         | 2         | 0         |  |  |      |   |
| H0185  | Perform anomaly resolution procedures                                 |        | 1   | 4        | 0        | 0        | 0          | 0         | 0         | 0         |  |  |      |   |
| H0186  | Perform breaking-the-chain (BTC) keying procedures                    |        | 4   | 7        | 3        | 0        | 1          | 0         | 2         | 0         |  |  |      |   |
| H0187  | Perform cold start procedures   |        | 13  | 11       | 17       | 0        | 7          | 3         | 11        | 0         |  |  |      |   |
| H0188  | Perform DAMA procedures   |        | 25  | 29       | 26       | 0        | 24         | 23        | 28        | 0         |  |  |      |   |
| H0189  | Perform EHF network procedures  |        | 7   | 11       | 6        | 0        | 0          | 0         | 0         | 0         |  |  |      |   |
| H0190  | Perform Milstar emergency shutdown or reset procedures                |        | 4   | 7        | 3        | 0        | 0          | 0         | 0         | 0         |  |  |      |   |
| H0191  | Perform ephemeris update procedures                                   |        | 7   | 11       | 6        | 0        | 0          | 0         | 0         | 0         |  |  |      |   |
| H0192  | Perform manual key loading procedures                                 |        | 22  | 14       | 26       | 33       | 25         | 23        | 30        | 0         |  |  |      |   |
| H0193  | Perform message processing procedures                                 |        | 14  | 14       | 17       | 0        | 17         | 11        | 23        | 0         |  |  |      |   |
| H0194  | Perform over-the-air (OTAR) rekeying procedures                       |        | 20  | 18       | 26       | 0        | 16         | 11        | 21        | 0         |  |  |      |   |
| H0195  | Perform point-to-point (PTP) call procedures                          |        | 17  | 18       | 20       | 0        | 14         | 11        | 17        | 0         |  |  |      |   |



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|--------|---|--------|---|-----|------|------|------|------|----|
| D      |   |        |   |     |      |      |      |      |    |
| T Tsk  | Task Title  | ANG    | ANG   | ANG | AFRC | AFRC | AFRC | AFRC |    |
| Y Nbr  |   | TOT    | 5   | 7   | 9    | TOT  | 5    | 7    | 9  |
| H0196  | Perform Position Lightweight Global Positioning System Receiver (PLGR) procedures   | 9      | 14  | 6   | 0    | 3    | 3    | 4    | 0  |
| H0197  | Perform satellite mission control systems (SMCS) key loading procedures   | 4      | 7   | 3   | 0    | 6    | 3    | 9    | 0  |
| H0198  | Perform single-channel transponder (SCT) procedures   | 7      | 14  | 3   | 0    | 0    | 0    | 0    | 0  |
| H0199  | Perform spot beam procedures  | 6      | 7   | 6   | 0    | 1    | 0    | 2    | 0  |
| H0200  | Perform terminal control procedures   | 10     | 14  | 9   | 0    | 1    | 3    | 0    | 0  |
| H0201  | Perform terminal initialization procedures  | 10     | 14  | 9   | 0    | 0    | 0    | 0    | 0  |
| H0202  | Perform Time Distribution Subsystem(TDS) or Time Distribution Subsystem Preprocessor(TDSPP) procedures                                | 7      | 11  | 6   | 0    | 1    | 0    | 2    | 0  |
| H0203  | Prepare images using communication planning tools   | 9      | 11  | 9   | 0    | 2    | 3    | 2    | 0  |
| H0204  | Set up baseband equipment   | 7      | 7   | 9   | 0    | 5    | 0    | 9    | 0  |
| H0205  | Set up Communications Security (COMSEC) equipment   | 43     | 36  | 51  | 33   | 48   | 40   | 55   | 40 |
| H0206  | Set up or tear down Milstar networks  | 7      | 11  | 6   | 0    | 2    | 6    | 0    | 0  |
| H0207  | Set up or tear down Milstar PTP calls   | 6      | 7   | 6   | 0    | 1    | 3    | 0    | 0  |
| I      | PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES  |        |   |     |      |      |      |      |    |
| I0208  | Brief personnel on Non-secure Internet Protocol Routing Network (NIPRNET) or Secure Internet Protocol Routing Network (SIPRNET) usage | 17     | 0   | 26  | 50   | 18   | 9    | 28   | 0  |
| I0209  | Compile data for records, reports, logs, or trend analyses  | 25     | 14  | 29  | 50   | 28   | 14   | 40   | 0  |
| I0210  | Complete accident or incident reports   | 23     | 14  | 23  | 67   | 38   | 34   | 43   | 20 |
| I0211  | Coordinate frequency use with requestors or spectrum managers   | 19     | 11  | 23  | 33   | 25   | 20   | 30   | 20 |
| I0212  | Destroy classified or COMSEC materials or documents   | 62     | 29  | 83  | 100  | 80   | 77   | 83   | 80 |
| I0213  | Establish or maintain accountability records for classified or COMSEC materials or documents  | 64     | 36  | 80  | 100  | 71   | 63   | 77   | 80 |
| I0214  | Extract call-signs  | 43     | 25  | 49  | 100  | 44   | 23   | 60   | 40 |
| I0215  | Identify and report suspected security compromises  | 57     | 29  | 71  | 100  | 64   | 54   | 72   | 60 |
| I0216  | Initiate classified reports, messages, or documents   | 41     | 11  | 54  | 100  | 44   | 29   | 55   | 40 |
| I0217  | Initiate requests for temporary duty (TDY) orders   | 23     | 11  | 26  | 67   | 39   | 31   | 45   | 40 |
| I0218  | Initiate or maintain standby rosters or workcenter pyramid recall rosters   | 25     | 7   | 29  | 83   | 24   | 9    | 36   | 20 |
| I0219  | Maintain administrative files   | 46     | 21  | 57  | 100  | 46   | 23   | 66   | 20 |
| I0220  | Maintain data logs  | 49     | 36  | 57  | 67   | 43   | 37   | 49   | 20 |
| I0221  | Maintain publications libraries, other than technical order (TO) libraries  | 32     | 18  | 34  | 83   | 30   | 17   | 40   | 20 |
| I0222  | Maintain security or COMSEC forms for safes, containers, or rooms   | 48     | 25  | 60  | 83   | 64   | 51   | 74   | 60 |
| I0223  | Maintain time compliance technical orders (TCOs)  | 12     | 14  | 9   | 17   | 13   | 6    | 19   | 0  |
| I0224  | Maintain TO libraries   | 16     | 18  | 9   | 50   | 16   | 6    | 26   | 0  |
| I0225  | Maintain or update status indicators, such as boards, graphs, or charts   | 19     | 4   | 23  | 67   | 24   | 11   | 34   | 20 |
| I0226  | Monitor frequencies for interference among users  | 14     | 18  | 11  | 17   | 30   | 31   | 30   | 20 |

D  
T Task  
Y Nbr

Task Title

|       | ANG<br>TOT | ANG<br>5 | ANG<br>7 | ANG<br>9 | AFRC<br>TOT | AFRC<br>5 | AFRC<br>7 | AFRC<br>9 |
|-------|------------|----------|----------|----------|-------------|-----------|-----------|-----------|
| I0227 | 22         | 21       | 20       | 33       | 16          | 20        | 15        | 0         |
| I0228 | 45         | 18       | 57       | 100      | 56          | 51        | 60        | 60        |
| I0229 | 30         | 14       | 34       | 83       | 57          | 49        | 66        | 40        |
| I0230 | 16         | 7        | 11       | 83       | 33          | 17        | 47        | 20        |
| I0231 | 13         | 7        | 17       | 17       | 26          | 20        | 32        | 20        |
| I0232 | 20         | 11       | 17       | 83       | 23          | 14        | 30        | 20        |
| I0233 | 25         | 18       | 26       | 50       | 22          | 11        | 32        | 0         |
| I0234 | 13         | 4        | 17       | 33       | 21          | 17        | 26        | 0         |
| I0235 | 17         | 14       | 20       | 17       | 36          | 31        | 38        | 40        |
| I0236 | 16         | 4        | 20       | 50       | 24          | 14        | 32        | 20        |
| I0237 | 4          | 4        | 6        | 0        | 15          | 11        | 19        | 0         |
| I0238 | 14         | 18       | 11       | 17       | 25          | 20        | 30        | 20        |
| I0239 | 45         | 21       | 54       | 100      | 59          | 49        | 68        | 40        |
| I0240 | 51         | 25       | 63       | 100      | 67          | 54        | 74        | 80        |
| I0241 | 12         | 0        | 14       | 50       | 26          | 26        | 28        | 20        |
| I0242 | 29         | 11       | 34       | 83       | 30          | 20        | 36        | 40        |
| I0243 | 10         | 7        | 6        | 50       | 28          | 17        | 34        | 40        |
| I0244 | 28         | 7        | 37       | 67       | 43          | 31        | 51        | 40        |
| J0245 | 33         | 18       | 40       | 67       | 33          | 23        | 40        | 40        |
| J0246 | 39         | 29       | 40       | 83       | 46          | 34        | 57        | 20        |
| J0247 | 28         | 21       | 29       | 50       | 49          | 43        | 55        | 40        |
| J0248 | 42         | 29       | 49       | 67       | 54          | 43        | 64        | 40        |
| J0249 | 28         | 14       | 31       | 67       | 38          | 29        | 43        | 60        |
| J0250 | 49         | 39       | 51       | 83       | 55          | 46        | 64        | 40        |
| J0251 | 25         | 14       | 31       | 33       | 38          | 34        | 38        | 60        |
| J0252 | 19         | 11       | 20       | 50       | 33          | 31        | 36        | 20        |
| J0253 | 16         | 11       | 14       | 50       | 36          | 31        | 40        | 20        |
| J0254 | 25         | 21       | 23       | 50       | 46          | 40        | 51        | 40        |
| J0255 | 9          | 7        | 6        | 33       | 15          | 3         | 23        | 20        |
| J0256 | 4          | 4        | 3        | 17       | 7           | 3         | 9         | 20        |

## J PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES

| D<br>T<br>Y | Task<br>Nbr | Task Title   | PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES |          |          |          |             |           |           |           |  |  |  |  |
|-------------|-------------|--|--|----------|----------|----------|-------------|-----------|-----------|-----------|--|--|--|--|
|             |             |  | ANG<br>TOT                                     | ANG<br>5 | ANG<br>7 | ANG<br>9 | AFRC<br>TOT | AFRC<br>5 | AFRC<br>7 | AFRC<br>9 |  |  |  |  |
| K           |             |  |  |          |          |          |             |           |           |           |  |  |  |  |
| K0257       |             | Assign personnel to mobility or contingency positions                                  | 10   | 7        | 6        | 50       | 16          | 3         | 23        | 40        |  |  |  |  |
| K0258       |             | Brief deploying personnel  | 30   | 11       | 37       | 83       | 37          | 20        | 49        | 40        |  |  |  |  |
| K0259       |             | Complete hazardous cargo shipping documents  | 17   | 11       | 20       | 33       | 29          | 23        | 30        | 60        |  |  |  |  |
| K0260       |             | Complete operations plan (OPLAN) sourcing requirements                                 | 17   | 11       | 14       | 67       | 15          | 9         | 19        | 20        |  |  |  |  |
| K0261       |             | Compute OPLAN requirements status listings   | 10   | 0        | 9        | 67       | 13          | 6         | 17        | 20        |  |  |  |  |
| K0262       |             | Conduct contingency operation/mobility planning and execution system (COMPES) programs | 7  | 0        | 6        | 50       | 10          | 3         | 17        | 0         |  |  |  |  |
| K0263       |             | Conduct mobility or deployment site surveys  | 14   | 4        | 17       | 50       | 32          | 23        | 40        | 20        |  |  |  |  |
| K0264       |             | Coordinate deployment of personnel with other MAJCOMS or joint service commands        | 9  | 4        | 6        | 50       | 10          | 3         | 17        | 0         |  |  |  |  |
| K0265       |             | Coordinate exercise sourcing requirements with functional managers                     | 7  | 4        | 3        | 50       | 14          | 9         | 19        | 0         |  |  |  |  |
| K0266       |             | Coordinate mobility or contingency requirements with appropriate agencies              | 9  | 4        | 6        | 50       | 15          | 9         | 19        | 20        |  |  |  |  |
| K0267       |             | Coordinate specific source of personnel requirements with appropriate agencies         | 9  | 7        | 3        | 50       | 16          | 11        | 21        | 0         |  |  |  |  |
| K0268       |             | Determine cost factors for support agreements  | 3  | 4        | 3        | 0        | 6           | 0         | 11        | 0         |  |  |  |  |
| K0269       |             | Determine specific source of personnel requirements for deployment manning documents   | 4  | 4        | 3        | 17       | 8           | 6         | 11        | 0         |  |  |  |  |
| K0270       |             | Develop contingency exercise mobility (CEM) orders                                     | 4  | 4        | 6        | 0        | 7           | 0         | 13        | 0         |  |  |  |  |
| K0271       |             | Develop mobility inspection checklists   | 17   | 14       | 14       | 50       | 28          | 14        | 36        | 40        |  |  |  |  |
| K0272       |             | Dispatch mobile radio units  | 6  | 4        | 6        | 17       | 26          | 20        | 32        | 20        |  |  |  |  |
| K0273       |             | Don or doff chemical warfare personal protective clothing                              | 52   | 14       | 74       | 100      | 63          | 46        | 77        | 60        |  |  |  |  |
| K0274       |             | Erect tents  | 38   | 32       | 46       | 17       | 61          | 49        | 70        | 60        |  |  |  |  |
| K0275       |             | Inspect mobility bags or kits  | 57   | 39       | 69       | 67       | 55          | 43        | 62        | 80        |  |  |  |  |
| K0276       |             | Inspect packed or palletized mobility or contingency equipment prior to transport      | 30   | 11       | 49       | 17       | 41          | 23        | 49        | 100       |  |  |  |  |
| K0277       |             | Maintain accountability of personnel selected to fill OPLAN requirements               | 17   | 4        | 23       | 50       | 16          | 6         | 23        | 20        |  |  |  |  |
| K0278       |             | Maintain base OPLAN files  | 12   | 4        | 11       | 50       | 15          | 9         | 19        | 20        |  |  |  |  |
| K0279       |             | Maintain disaster preparedness checklists  | 20   | 11       | 20       | 67       | 22          | 20        | 23        | 20        |  |  |  |  |
| K0280       |             | Pack or palletize mobility or contingency equipment for shipment or movement           | 29   | 11       | 43       | 33       | 46          | 29        | 55        | 80        |  |  |  |  |
| K0281       |             | Perform camouflage procedures  | 32   | 18       | 46       | 17       | 53          | 46        | 60        | 40        |  |  |  |  |
| K0282       |             | Perform chemical warfare agent decontamination procedures                              | 36   | 18       | 49       | 50       | 56          | 49        | 64        | 40        |  |  |  |  |
| K0283       |             | Perform disease or pestilence countermeasures  | 17   | 11       | 23       | 17       | 30          | 34        | 30        | 0         |  |  |  |  |
| K0284       |             | Perform explosive ordnance reconnaissance  | 16   | 7        | 17       | 50       | 43          | 31        | 53        | 20        |  |  |  |  |
| K0285       |             | Perform plans file and mobility file matches   | 6  | 4        | 3        | 33       | 14          | 11        | 17        | 0         |  |  |  |  |
| K0286       |             | Perform predeployment reconnaissance surveys   | 7  | 4        | 3        | 50       | 15          | 6         | 21        | 20        |  |  |  |  |
| K0287       |             | Perform safety measures by marking radiation hazards or antenna systems                | 23   | 18       | 29       | 17       | 46          | 40        | 51        | 40        |  |  |  |  |
| K0288       |             | Perform or set up site security  | 23   | 21       | 20       | 50       | 48          | 46        | 53        | 20        |  |  |  |  |
| K0289       |             | Prepare equipment for deployments  | 46   | 25       | 54       | 100      | 64          | 57        | 70        | 60        |  |  |  |  |

| D<br>T<br>Y  | Task<br>Nbr | Task Title   | ANG |    |    | ANG |     |    | AFRC |    |     | AFRC |   |   |
|--|-------------|--|-----|----|----|-----|-----|----|------|----|-----|------|---|---|
|  |             |  | TOT | 5  | 7  | 9   | TOT | 5  | 7    | 9  | TOT | 5    | 7 | 9 |
| K0290  |             | Prepare hazardous cargo for deployment   | 26  | 18 | 29 | 50  | 34  | 23 | 40   | 60 |     |      |   |   |
| K0291  |             | Prepare sites at deployed locations, such as cutting grass or removing snow                          | 14  | 14 | 11 | 33  | 26  | 26 | 28   | 20 |     |      |   |   |
| K0292  |             | Process classified or COMSEC materials or documents at deployed locations                            | 54  | 21 | 71 | 100 | 62  | 51 | 70   | 60 |     |      |   |   |
| K0293  |             | Request or distribute mobility requirements documents  | 14  | 11 | 9  | 67  | 16  | 11 | 19   | 20 |     |      |   |   |
| K0294  |             | Set up or tear down shelters   | 30  | 21 | 40 | 17  | 47  | 40 | 55   | 20 |     |      |   |   |
| K0295  |             | Tear down, inspect, clean, and reassemble weapons, such as M-16 rifles                               | 45  | 36 | 51 | 50  | 60  | 46 | 72   | 40 |     |      |   |   |
| -----  |             |  |     |    |    |     |     |    |      |    |     |      |   |   |
| L PERFORMING TRAINING ACTIVITIES                   |             |  |     |    |    |     |     |    |      |    |     |      |   |   |
| L0296  |             | Administer or score tests  | 19  | 4  | 26 | 50  | 24  | 6  | 36   | 40 |     |      |   |   |
| L0297  |             | Brief personnel concerning training programs or matters  | 33  | 7  | 49 | 67  | 40  | 17 | 57   | 40 |     |      |   |   |
| L0298  |             | Complete student entry or withdrawal forms   | 12  | 4  | 17 | 17  | 14  | 3  | 21   | 20 |     |      |   |   |
| L0299  |             | Conduct formal course classroom training   | 19  | 7  | 23 | 50  | 26  | 17 | 32   | 40 |     |      |   |   |
| L0300  |             | Conduct on-the-job training (OJT)  | 58  | 25 | 77 | 100 | 61  | 34 | 79   | 80 |     |      |   |   |
| L0301  |             | Counsel trainees on training progress  | 45  | 18 | 57 | 100 | 46  | 17 | 68   | 40 |     |      |   |   |
| L0302  |             | Determine training requirements  | 46  | 21 | 57 | 100 | 30  | 6  | 49   | 20 |     |      |   |   |
| L0303  |             | Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSS) | 16  | 7  | 14 | 67  | 9   | 0  | 15   | 20 |     |      |   |   |
| L0304  |             | Develop training programs, plans, or procedures  | 33  | 18 | 34 | 100 | 30  | 9  | 45   | 40 |     |      |   |   |
| L0305  |             | Develop written tests  | 25  | 11 | 26 | 83  | 17  | 3  | 26   | 40 |     |      |   |   |
| L0306  |             | Develop or procure training materials or aids  | 28  | 11 | 31 | 83  | 36  | 17 | 45   | 80 |     |      |   |   |
| L0307  |             | Establish or maintain study reference files  | 23  | 14 | 23 | 67  | 22  | 6  | 32   | 40 |     |      |   |   |
| L0308  |             | Evaluate effectiveness of training programs, plans, or procedures                                    | 26  | 11 | 31 | 67  | 20  | 6  | 28   | 40 |     |      |   |   |
| L0309  |             | Evaluate progress of trainees  | 39  | 18 | 46 | 100 | 38  | 9  | 57   | 60 |     |      |   |   |
| L0310  |             | Evaluate training methods or techniques of instructors   | 19  | 7  | 20 | 67  | 23  | 6  | 32   | 60 |     |      |   |   |
| L0311  |             | Inspect training materials or aids for operation or suitability                                      | 20  | 11 | 17 | 83  | 31  | 20 | 38   | 40 |     |      |   |   |
| L0312  |             | Maintain training records or files   | 43  | 18 | 57 | 83  | 56  | 31 | 77   | 40 |     |      |   |   |
| L0313  |             | Personalize lesson plans   | 23  | 0  | 31 | 83  | 28  | 11 | 34   | 80 |     |      |   |   |
| L0314  |             | Prepare job qualification standards (JQSs)   | 23  | 11 | 26 | 67  | 22  | 3  | 36   | 20 |     |      |   |   |
| L0315  |             | Write training reports   | 17  | 11 | 17 | 50  | 21  | 3  | 30   | 60 |     |      |   |   |
| -----  |             |  |     |    |    |     |     |    |      |    |     |      |   |   |
| M PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES |             |  |     |    |    |     |     |    |      |    |     |      |   |   |
| M0316  |             | Annotate time and attendance sheets for civilian employees   | 10  | 7  | 9  | 33  | 8   | 0  | 15   | 0  |     |      |   |   |
| M0317  |             | Assign personnel to work areas or duty positions   | 14  | 0  | 23 | 33  | 30  | 9  | 45   | 40 |     |      |   |   |
| M0318  |             | Assign sponsors for newly assigned personnel   | 14  | 4  | 20 | 33  | 17  | 3  | 30   | 0  |     |      |   |   |
| M0319  |             | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops               | 25  | 7  | 31 | 67  | 30  | 20 | 36   | 40 |     |      |   |   |
| M0320  |             | Conduct safety inspections of equipment or facilities  | 16  | 7  | 23 | 17  | 30  | 17 | 40   | 20 |     |      |   |   |

| D<br>T<br>Y | Task<br>Nbr | Task Title  | ANG<br>TOT | ANG |    |     | AFRC<br>TOT | AFRC |    |    |
|-------------|-------------|---|------------|-----|----|-----|-------------|------|----|----|
|             |             |   |            | 5   | 7  | 9   |             | 5    | 7  | 9  |
| M0321       |             | Conduct self-inspections or self-assessments  | 32         | 18  | 34 | 83  | 38          | 26   | 49 | 20 |
| M0322       |             | Conduct staff assistance visits, inspections, or audits   | 14         | 7   | 14 | 50  | 13          | 3    | 19 | 20 |
| M0323       |             | Conduct supervisory orientations for newly assigned personnel   | 22         | 7   | 29 | 50  | 30          | 6    | 49 | 20 |
| M0324       |             | Conduct supervisory performance feedback sessions   | 19         | 7   | 23 | 50  | 28          | 6    | 45 | 20 |
| M0325       |             | Counsel subordinates concerning personal matters  | 29         | 7   | 43 | 50  | 25          | 6    | 40 | 20 |
| M0326       |             | Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace                       | 22         | 7   | 26 | 67  | 26          | 23   | 30 | 20 |
| M0327       |             | Determine or establish work assignments or priorities   | 22         | 4   | 23 | 100 | 31          | 14   | 43 | 40 |
| M0328       |             | Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans  | 19         | 7   | 20 | 67  | 18          | 11   | 23 | 20 |
| M0329       |             | Develop organizational or functional charts   | 13         | 7   | 11 | 50  | 11          | 0    | 19 | 20 |
| M0330       |             | Develop resource protection programs  | 6          | 0   | 3  | 50  | 13          | 3    | 19 | 20 |
| M0331       |             | Develop self-inspection or self-assessment program checklists   | 16         | 4   | 17 | 67  | 15          | 3    | 23 | 20 |
| M0332       |             | Develop or establish work methods, procedures or schedules  | 29         | 14  | 29 | 100 | 22          | 6    | 32 | 40 |
| M0333       |             | Direct operations of field or ground radio stations   | 14         | 11  | 17 | 17  | 29          | 20   | 34 | 40 |
| M0334       |             | Draft budget requirements   | 7          | 4   | 3  | 50  | 9           | 0    | 15 | 20 |
| M0335       |             | Draft host-tenant or interservice agreements  | 7          | 7   | 6  | 17  | 6           | 0    | 11 | 0  |
| M0336       |             | Draft supplements or changes to communications publications   | 7          | 4   | 9  | 17  | 6           | 0    | 11 | 0  |
| M0337       |             | Draft supplements or changes to directives, such as policy directives, instructions, or manuals, other than communications publications | 10         | 7   | 11 | 17  | 6           | 0    | 11 | 0  |
| M0338       |             | Establish COMSEC subaccounts  | 14         | 11  | 14 | 33  | 15          | 6    | 23 | 0  |
| M0339       |             | Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)                         | 25         | 7   | 26 | 100 | 21          | 6    | 30 | 40 |
| M0340       |             | Establish performance standards for subordinates  | 23         | 7   | 26 | 83  | 20          | 9    | 28 | 20 |
| M0341       |             | Evaluate communications operations  | 28         | 18  | 34 | 33  | 29          | 23   | 36 | 0  |
| M0342       |             | Evaluate inspection report findings or inspection procedures  | 17         | 7   | 17 | 67  | 20          | 9    | 30 | 0  |
| M0343       |             | Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program  | 22         | 4   | 26 | 83  | 25          | 17   | 32 | 20 |
| M0344       |             | Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace  | 22         | 11  | 23 | 67  | 18          | 9    | 28 | 0  |
| M0345       |             | Evaluate modified, new, or prototype equipment  | 16         | 7   | 14 | 67  | 16          | 11   | 21 | 0  |
| M0346       |             | Evaluate personnel for compliance with performance standards  | 28         | 14  | 29 | 83  | 21          | 9    | 30 | 20 |
| M0347       |             | Evaluate personnel for promotion, demotion, reclassification, or special awards   | 28         | 11  | 31 | 83  | 24          | 3    | 40 | 20 |
| M0348       |             | Implement safety or security programs   | 20         | 7   | 23 | 67  | 23          | 11   | 32 | 20 |
| M0349       |             | Implement status of resources and training system (SORTS) programs  | 4          | 4   | 3  | 17  | 6           | 0    | 11 | 0  |
| M0350       |             | Initiate actions required due to substandard performance of personnel   | 19         | 4   | 26 | 50  | 15          | 3    | 21 | 40 |
| M0351       |             | Initiate personnel action requests  | 17         | 4   | 20 | 67  | 15          | 3    | 21 | 40 |

| D<br>T<br>Y | Task<br>Nbr | Task Title   | ANG | ANG | ANG | ANG | AFRC | AFRC | AFRC |    |
|-------------|-------------|--|-----|-----|-----|-----|------|------|------|----|
|             |             |  | TOT | 5   | 7   | 9   | TOT  | 5    | 7    | 9  |
| M0352       |             | Inspect personnel for compliance with military standards   | 33  | 7   | 46  | 83  | 25   | 9    | 36   | 40 |
| M0353       |             | Interpret policies, directives, or procedures for subordinates   | 29  | 4   | 40  | 83  | 24   | 11   | 34   | 20 |
| M0354       |             | Investigate accidents or incidents   | 12  | 4   | 9   | 67  | 17   | 9    | 23   | 20 |
| M0355       |             | Perform as liaison to communications centers or spectrum managers for spectrum interference actions        | 9   | 4   | 9   | 33  | 14   | 9    | 17   | 20 |
| M0356       |             | Plan communications support for exercises or special missions  | 19  | 7   | 17  | 83  | 24   | 9    | 36   | 20 |
| M0357       |             | Plan equipment replacement programs  | 9   | 4   | 9   | 33  | 14   | 3    | 21   | 20 |
| M0358       |             | Plan layouts of facilities   | 10  | 4   | 9   | 50  | 14   | 3    | 21   | 20 |
| M0359       |             | Plan personnel or equipment deployments  | 13  | 0   | 14  | 67  | 18   | 3    | 30   | 20 |
| M0360       |             | Review budget requirements   | 9   | 7   | 0   | 67  | 8    | 0    | 13   | 20 |
| M0361       |             | Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals | 14  | 4   | 14  | 67  | 11   | 9    | 13   | 20 |
| M0362       |             | Review mobility, contingency, disaster preparedness, or unit emergency or alert plans                      | 16  | 4   | 14  | 83  | 18   | 17   | 21   | 0  |
| M0363       |             | Schedule personnel for TDY assignments, leaves, or passes  | 19  | 7   | 17  | 83  | 15   | 0    | 26   | 20 |
| M0364       |             | Write inspection reports   | 6   | 4   | 3   | 33  | 10   | 0    | 17   | 20 |
| M0365       |             | Write job or position descriptions   | 17  | 7   | 17  | 67  | 15   | 6    | 21   | 20 |
| M0366       |             | Write or indorse civilian performance appraisals   | 1   | 0   | 0   | 17  | 9    | 0    | 15   | 20 |
| M0367       |             | Write or indorse military performance reports  | 14  | 4   | 14  | 67  | 28   | 6    | 38   | 80 |
| M0368       |             | Write recommendations for awards or decorations  | 26  | 11  | 31  | 67  | 28   | 3    | 43   | 60 |
| M0369       |             | Write replies to inspection reports  | 14  | 7   | 9   | 83  | 18   | 3    | 30   | 20 |
| M0370       |             | Write staff studies, surveys, or routine reports, other than training or inspection reports                | 7   | 4   | 6   | 33  | 10   | 3    | 15   | 20 |

Report Option Table for Modules

| Option         | Status             |
|----------------|--------------------|
| Primary Sort   | Inventory Sequence |
| Secondary Sort | Not Used           |
| Print Suppress | Not Used           |

Report Option Table for Tasks

| Option         | Status             |
|----------------|--------------------|
| Primary Sort   | Inventory Sequence |
| Secondary Sort | Not Used           |
| Print Suppress | Not Used           |

Description of Reported Module Factors

| Col | Factor | Source vector | Title                                   | Number<br>Members | Mean  | S.D.  | Max    | Min | Range | Valid |
|-----|--------|---------------|---|-------------------|-------|-------|--------|-----|-------|-------|
| 1   | TITLE  |               | Module Statement                        |                   |       |       |        |     |       |       |
| 1   | TITLE  |               | Task Statement                          |                   |       |       |        |     |       |       |
| 2   | F0012  | GP0012/PMP    | All Air Guard Airmen with DAFSC 3C1X1   | 69                | 21.26 | 14.33 | 84.06  | .00 | .00   | 370   |
| 3   | F0016  | GP0016/PMP    | All Air Reserve Airmen with DAFSC 3C1X1 | 87                | 28.11 | 18.72 | 81.61  | .00 | .00   | 370   |
| 4   | F0013  | GP0013/PMP    | All Air Guard Airmen with DAFSC 3C151   | 28                | 16.25 | 14.51 | 89.29  | .00 | .00   | 370   |
| 5   | F0017  | GP0017/PMP    | All Air Reserve Airmen with DAFSC 3C151 | 35                | 22.06 | 19.21 | 77.14  | .00 | .00   | 370   |
| 6   | F0014  | GP0014/PMP    | All Air Guard Airmen with DAFSC 3C171   | 35                | 22.73 | 17.64 | 85.71  | .00 | .00   | 370   |
| 7   | F0018  | GP0018/PMP    | All Air Reserve Airmen with DAFSC 3C171 | 47                | 33.33 | 20.04 | 82.98  | .00 | .00   | 370   |
| 8   | F0015  | GP0015/PMP    | All Air Guard Airmen with DAFSC 3C191   | 6                 | 36.04 | 33.34 | 100.00 | .00 | .00   | 370   |
| 9   | F0019  | GP0019/PMP    | All Air Reserve Airmen with DAFSC 3C191 | 5                 | 21.35 | 22.67 | 100.00 | .00 | .00   | 370   |

STS 3C1X1, Radio Communications Systems, dated February 2002, is presented below with matched job inventory tasks and occupational survey data.

STS items are listed below the dotted line, followed by a listing of matched tasks. Pertinent survey data are printed to the right of each task. This printout is extremely useful during utilization and training workshops (U&TWs) to validate STS content and in determining appropriate training codes for STS items. In addition, tasks which were not matched to any STS item are listed in a "Tasks Not Referenced" section at the end of the printout. These unreferenced tasks should be carefully reviewed to identify new areas which may warrant inclusion in the STS.

For assistance in interpretation of this printout, contact AFOMS/OAE, at DSN 487-6811, ext 3011.

| D<br>T<br>Y | Task<br>Nbr | Task Title | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 |
|-------------|-------------|------------|---------------------|-----------------|-----------------|-----------------|
|-------------|-------------|------------|---------------------|-----------------|-----------------|-----------------|

0001 STS 3C1X1, RADIO COMMUNICATIONS SYSTEMS,  
dated February 2002

0002 1. RADIO COMMUNICATIONS SYSTEMS CAREER FIELD

0003 1.1. Structure

0004 1.2. Progression within Air Force Specialty  
Code (AFSC)

0005 1.3. Air Force Specialty Code (AFSC)

0006 1.3.1. Duties



D  
T Tsk  
Y Nbr

Task Title

ANG AFRC ANG AFRC ANG AFRC ANG AFRC  
TOT TOT 5 5 7 7 9 9

0007 1.3.2. Responsibilities A - B

0008 1.3.3. Qualifications A - B

0009 1.3.4. Customer relations A - -

0010 1.3.5. Associated Communications & Information A B -  
(C&I) AFSCs

0011 1.4. Roles and Mission A A -

0012 1.5. Aerospace Expeditionary Force (AEF) A B B

0013 2. SUPERVISION

0014 2.1. Brief Newly Assigned Personnel

0015 2.1.1. Safety - - -

D  
T Tsk  
Y Nbr

Task Title

ANG AFRC ANG AFRC ANG AFRC ANG AFRC  
TOT TOT 5 5 7 7 9 9

0016 2.1.2. Mission

0017 2.1.3. Responsibilities

0018 2.1.4. Recognition Programs

0019 2.2. Interpret for Subordinates

0020 2.2.1. Policies

0021 2.2.2. Directives

0022 2.2.3. Procedures

0023 2.3. Plan and Schedule

0024 2.3.1. Work assignments

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T Tsk  
Y Nbr

Task Title

ANG AFRC ANG AFRC ANG AFRC ANG AFRC  
TOT TOT 5 5 7 7 9 9

0025 2.3.2. Shifts

0026 2.3.3. Priorities

0027 2.4. Establish

0028 2.4.1. Work methods

0029 2.4.2. Controls

0030 2.4.3. Performance standards

0031 2.5. Brief Subordinates on Local and Standard  
Procedures

0032 2.6. Provide Feedback and Evaluate Work  
Performance

0033 2.7. Initiate Action to Correction Substandard  
Personnel Performance

D  
T Task  
Y Nbr

Task Title

ANG AFRC ANG AFRC ANG AFRC ANG AFRC  
TOT TOT 5 5 7 7 9 9

0034 2.8. Rate Personnel Performance - - -

0035 2.9. Counsel Personnel on Personal and Military  
Related Problems - - -

0036 2.10. Identify - - -

0037 2.10.1. Personnel requirements - - -

0038 2.10.2. Equipment requirements - - -

0039 2.11. Resolve Technical Problems Encountered by  
Subordinates - - -

0040 2.12. Observe Equipment Operation to Ensure  
Conformance with Established Standards - - -

0041 2.13. Demonstrate how to Operate Equipment - - -

0042 2.14. Facility Maintenance - - -

| D<br>T<br>Y | Task<br>Nbr | Task Title                          | ANG AFRC |   |     |   | ANG AFRC |   |     |   |
|-------------|-------------|-------------------------------------|----------|---|-----|---|----------|---|-----|---|
|             |             |                                     | TOT      |   | TOT |   | TOT      |   | TOT |   |
| 0043        | 2.14.1.     | Plan                                | -        | - | -   | - | -        | - | -   | - |
| 0044        | 2.14.2.     | Schedule                            | -        | - | -   | - | -        | - | -   | - |
| 0045        | 2.14.3.     | Supervise                           | -        | - | -   | - | -        | - | -   | - |
| 0046        | 2.15.       | Operating Instructions (OI)         | -        | - | -   | - | -        | - | -   | - |
| 0047        | 2.15.1.     | Prepare local operating procedures  | -        | - | -   | - | -        | - | -   | - |
| 0048        | 2.15.2.     | Issue                               | -        | - | -   | - | -        | - | -   | - |
| 0049        | 2.15.3.     | Review                              | -        | - | -   | - | -        | - | -   | - |
| 0050        | 2.16.       | Self-Inspections/Quality Indicators | -        | - | -   | - | -        | - | -   | - |
| 0051        | 2.16.1.     | Prepare                             | -        | - | -   | - | -        | - | -   | - |

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T Task  
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Task Title

ANG AFRC  
TOT TOT

ANG AFRC ANG AFRC ANG AFRC  
5 5 7 7 9 9 9

0052 2.16.2. Review

- - -

0053 2.16.3. Issue

- - -

0054 2.16.4. Conduct

- - -

0055 2.16.5. Follow-up

- - -

0056 2.17. Develop Budget Input

0057 2.17.1. Analyze costs and utilization

- - -

0058 2.17.2. Create budget

- - -

0059 3. TRAINING

0060 3.1. Evaluate Personnel for Need of Training

- - -

L 302 Determine training requirements

46 30 21 6 57 49 100 20

| D<br>T Tsk<br>Y Nbr | Task Title  |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|---------------------|---|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                     |   | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 |
| 0061                | 3.2. Enlisted Specialty Training (EST)<br>Management  |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 0062                | 3.2.1. Prepare job qualification standard (JQS)   |                     | -               | -               | -               |                 |                 |                 |                 |                 |                 |
| L 314               | Prepare job qualification standards (JQSs)  | 23 22               | 11 3            | 26 36           | 67 20           |                 |                 |                 |                 |                 |                 |
| 0063                | 3.2.2. Procure training material  |                     | -               | -               | -               |                 |                 |                 |                 |                 |                 |
| L 306               | Develop or procure training materials or aids   | 28 36               | 11 17           | 31 45           | 83 80           |                 |                 |                 |                 |                 |                 |
| 0064                | 3.2.3. Motivate trainers and trainees   |                     | -               | -               | -               |                 |                 |                 |                 |                 |                 |
| 0065                | 3.2.4. Develop training materials   |                     | -               | -               | -               |                 |                 |                 |                 |                 |                 |
| L 303               | Develop formal course curricula, plans of instruction<br>(POIs), or specialty training standards (STSS) | 16 9                | 7 0             | 14 15           | 67 20           |                 |                 |                 |                 |                 |                 |
| L 304               | Develop training programs, plans, or procedures   | 33 30               | 18 9            | 34 45           | 100 40          |                 |                 |                 |                 |                 |                 |
| L 305               | Develop written tests   | 25 17               | 11 3            | 26 26           | 83 40           |                 |                 |                 |                 |                 |                 |
| L 311               | Inspect training materials or aids for operation or<br>suitability                                      | 20 31               | 11 20           | 17 38           | 83 40           |                 |                 |                 |                 |                 |                 |
| 0066                | 3.2.5. Counsel trainees on training progress  |                     | -               | -               | -               |                 |                 |                 |                 |                 |                 |
| L 301               | Counsel trainees on training progress   | 45 46               | 18 17           | 57 68           | 100 40          |                 |                 |                 |                 |                 |                 |
| L 309               | Evaluate progress of trainees   | 39 38               | 18 9            | 46 57           | 100 60          |                 |                 |                 |                 |                 |                 |
| 0067                | 3.2.6. Monitor effectiveness of:  |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |

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|----------------------|---|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 0068                 | 3.2.6.1. Career knowledge upgrade training progress               | - - -               |                 |                 |                 |                 |                 |
| L 300                | Conduct on-the-job training (OJT)                                 | 58 61               | 25 34           | 77 79           | 100 80          |                 |                 |
| 0069                 | 3.2.6.2. Job proficiency upgrade training                         | - - -               |                 |                 |                 |                 |                 |
| L 300                | Conduct on-the-job training (OJT)                                 | 58 61               | 25 34           | 77 79           | 100 80          |                 |                 |
| 0070                 | 3.2.6.3. Qualification training                                   | - - -               |                 |                 |                 |                 |                 |
| 0071                 | 3.3. Maintain Training Records                                    | - - -               |                 |                 |                 |                 |                 |
| L 312                | Maintain training records or files                                | 43 56               | 18 31           | 57 77           | 83 40           |                 |                 |
| 0072                 | 3.4. Evaluate Effectiveness of Training Programs                  | - - -               |                 |                 |                 |                 |                 |
| L 308                | Evaluate effectiveness of training programs, plans, or procedures | 26 20               | 11 6            | 31 28           | 67 40           |                 |                 |
| L 310                | Evaluate training methods or techniques of instructors            | 19 23               | 7 6             | 20 32           | 67 60           |                 |                 |
| L 311                | Inspect training materials or aids for operation or suitability   | 20 31               | 11 20           | 17 38           | 83 40           |                 |                 |
| 0073                 | 3.5. Recommend Personnel for Training                             | - - -               |                 |                 |                 |                 |                 |
| 0074                 | 4. OPERATIONAL RISK MANAGEMENT (ORM)                              | - - -               |                 |                 |                 |                 |                 |



| D<br>T<br>Y | Task Title                                |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
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|             |   | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 |
| 0075        | 4.1. Hazards of AFSC 3C1X1                |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 0076        | 4.2. AFOSH Standards for AFSC             |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 0077        | 4.3. Use Consistent Safety Practices      |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| I 210       | Complete accident or incident reports     | 23                  | 38              | 14              | 34              | 23              | 43              | 67              | 20              |                 |                 |
| 0078        | 4.4. Maintain Clean Work Environment      |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 0079        | 5. C-CS ADMINISTRATIVE FUNCTIONS          |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 0080        | 5.1. Publications                         |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 0081        | 5.1.1. Air Force Manuals (AFMAN)          |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 0082        | 5.1.2. Air Force Policy Directives (AFPD) |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 0083        | 5.1.3. Air Force Instructions (AFI)       |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |

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|                     |  | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 | ANG AFRC<br>17 17 | ANG AFRC<br>26 26 | ANG AFRC<br>32 32 | ANG AFRC<br>50 50 | ANG AFRC<br>0 0 | ANG AFRC<br>0 0 |
| 0084                | 5.1.4. Air Force Pamphlets (AFPAM)                       | A                   | -               | -               | -               | -                 | -                 | -                 | -                 | -               | -               |
| 0085                | 5.1.5. Joint Army Navy Air Force Publications<br>(JANAP) | A                   | B               | -               | -               | -                 | -                 | -                 | -                 | -               | -               |
| 0086                | 5.1.6. Allied Communications Publications (ACP)          | A                   | B               | -               | -               | -                 | -                 | -                 | -                 | -               | -               |
| 0087                | 5.1.7. Operating Instructions (OI)                       | A                   | -               | -               | -               | -                 | -                 | -                 | -                 | -               | -               |
| 0088                | 5.1.8. Commercial/vendor publications                    | A                   | -               | -               | -               | -                 | -                 | -                 | -                 | -               | -               |
| 0089                | 5.1.9. DISA Publications                                 | A                   | -               | -               | -               | -                 | -                 | -                 | -                 | -               | -               |
| 0090                | 5.1.10. Technical Orders (TO)                            | A                   | B               | -               | -               | -                 | -                 | -                 | -                 | -               | -               |
| I 223               | Maintain time compliance technical orders (TCTOs)        | 12                  | 13              | 14              | 6               | 9                 | 19                | 17                | 0                 |                 |                 |
| I 224               | Maintain TO libraries                                    | 16                  | 16              | 18              | 6               | 9                 | 26                | 50                | 0                 |                 |                 |
| I 233               | Research TOs to identify components or equipment         | 25                  | 22              | 18              | 11              | 26                | 32                | 50                | 0                 |                 |                 |
| 0091                | 5.1.11. Military Standard (MIL STD)                      | A                   | A               | -               | -               | -                 | -                 | -                 | -                 | -               | -               |

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|                     |   | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 |
| 0092                | 5.1.12. Communication Act of 1934   |                     | A               | -               | -               |                 |                 |                 |                 |                 |                 |
| 0093                | 5.1.13. Flight Information Publications (FLIPS)   |                     | A               | B               | -               |                 |                 |                 |                 |                 |                 |
| F 138               | Assemble, issue, retrieve, or update flight information publication (FLIP) bags         | 23 29               | 7 26            | 29 32           | 67 20           |                 |                 |                 |                 |                 |                 |
| 0094                | 5.2. Publications Handling  |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| 0095                | 5.2.1. Order documents and changes  |                     | -               | -               | -               |                 |                 |                 |                 |                 |                 |
| 0096                | 5.2.2. Post changes   |                     | -               | -               | -               |                 |                 |                 |                 |                 |                 |
| I 242               | Update and post lists, such as access or operator aids                                  | 29 30               | 11 20           | 34 36           | 83 40           |                 |                 |                 |                 |                 |                 |
| 0097                | 5.3. Identify Procedures for locating Publication Numbers and Titles Using Indexes      |                     | b               | -               | -               |                 |                 |                 |                 |                 |                 |
| 0098                | 5.4. Identify Procedures Publications to Locate Operating Procedures and Technical Data |                     | b               | -               | -               |                 |                 |                 |                 |                 |                 |
| I 236               | Review publishing bulletins   | 15 24               | 4 14            | 20 32           | 50 20           |                 |                 |                 |                 |                 |                 |
| 0099                | 5.5. Supply Functions   |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |

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|-------|--------|---|--|---------------------|-------------------------|-------------------------|-------------------------|
| 0100  | 5.5.1. |   | Maintain accounts  | -                   | -                       | -                       | -                       |
| 0101  | 5.5.2. |   | Keep records   | -                   | -                       | -                       | -                       |
| I 218 |        |   | Initiate or maintain standby rosters or workcenter<br>pyramid recall rosters             | 25 24               | 7 9 29 36               | 83 20                   |                         |
| I 219 |        |   | Maintain administrative files  | 46 46               | 21 23 57 66             | 100 20                  |                         |
| I 220 |        |   | Maintain data logs   | 49 43               | 36 37 57 49             | 67 20                   |                         |
| I 221 |        |   | Maintain publications libraries, other than technical<br>order (TO) libraries            | 32 30               | 18 17 34 40             | 83 20                   |                         |
| I 223 |        |   | Maintain time compliance technical orders (TCTOs)  | 12 13               | 14 6 9 19               | 17 0                    |                         |
| I 224 |        |   | Maintain TO libraries  | 16 16               | 18 6 9 26               | 50 0                    |                         |
| I 243 |        |   | Write minutes of briefings, conferences, or meetings                                     | 10 28               | 7 17 6 34               | 50 40                   |                         |
| I 244 |        |   | Write reports, such as after-action, outage, spectrum<br>interference, or unit readiness | 28 43               | 7 31 37 51              | 67 40                   |                         |
| 0102  | 5.6.   |   | Equipment Records  | A B -               |                         |                         |                         |
| I 230 |        |   | Prepare reports of survey  | 16 33               | 7 17 11 47              | 83 20                   |                         |
| 0103  | 5.7.   |   | Office Records Management  |                     |                         |                         |                         |
| 0104  | 5.7.1. |   | Traffic  | A B -               |                         |                         |                         |
| I 209 |        |   | Compile data for records, reports, logs, or trend<br>analyses                            | 25 28               | 14 14 29 40             | 50 0                    |                         |
| I 238 |        |   | Review traffic records   | 14 25               | 18 20 11 30             | 17 20                   |                         |
| 0105  | 5.7.2. |   | Records  | A B -               |                         |                         |                         |
| I 209 |        |   | Compile data for records, reports, logs, or trend<br>analyses                            | 25 28               | 14 14 29 40             | 50 0                    |                         |
| I 218 |        |   | Initiate or maintain standby rosters or workcenter<br>pyramid recall rosters             | 25 24               | 7 9 29 36               | 83 20                   |                         |
| I 220 |        |   | Maintain data logs   | 49 43               | 36 37 57 49             | 67 20                   |                         |

| D     | T | Task Title   | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 | ANG AFRC<br>17 0 | ANG AFRC<br>50 0 | ANG AFRC<br>17 20 | ANG AFRC<br>50 40 |
|-------|---|--|---------------------|-----------------|-----------------|-----------------|------------------|------------------|-------------------|-------------------|
| I 223 |   | Maintain time compliance technical orders (TCTOs)    | 12 13               | 14 6            | 9 19            | 17 0            |                  |                  |                   |                   |
| I 224 |   | Maintain TO libraries                                | 16 16               | 18 6            | 9 26            | 50 0            |                  |                  |                   |                   |
| I 238 |   | Review traffic records                               | 14 25               | 18 20           | 11 30           | 17 20           |                  |                  |                   |                   |
| I 243 |   | Write minutes of briefings, conferences, or meetings | 10 28               | 7 17            | 6 34            | 50 40           |                  |                  |                   |                   |
| 0106  |   | 5.8. System Software Support                         |                     |                 |                 |                 |                  |                  |                   |                   |
|       |   | A B -  |                     |                 |                 |                 |                  |                  |                   |                   |
| 0107  |   | 5.9. Magnetic Media Handling and Disposition         |                     |                 |                 |                 |                  |                  |                   |                   |
| C 60  |   | Change computer diskettes or tapes                   | 38 62               | 18 60           | 51 64           | 50 60           |                  |                  |                   |                   |
| C 62  |   | Change or store magnetic media or recording tapes    | 13 16               | 7 11            | 14 19           | 33 20           |                  |                  |                   |                   |
| C 66  |   | Clean recorder-reproducer heads                      | 3 6                 | 4 6             | 3 6             | 0 0             |                  |                  |                   |                   |
| C 67  |   | Degauss recording tapes                              | 3 7                 | 4 6             | 0 6             | 17 20           |                  |                  |                   |                   |
| 0108  |   | 5.10. Communications Regulatory Agencies             |                     |                 |                 |                 |                  |                  |                   |                   |
|       |   | A B -  |                     |                 |                 |                 |                  |                  |                   |                   |
| 0109  |   | 5.11. Command and Control (C2) Agencies              |                     |                 |                 |                 |                  |                  |                   |                   |
| 0110  |   | 5.11.1. National Command Authority (NCA)             |                     |                 |                 |                 |                  |                  |                   |                   |
|       |   | A - -  |                     |                 |                 |                 |                  |                  |                   |                   |
| 0111  |   | 5.11.2. National Military Command System             |                     |                 |                 |                 |                  |                  |                   |                   |
|       |   | A B -  |                     |                 |                 |                 |                  |                  |                   |                   |
| 0112  |   | 5.11.3. Mobile Consolidated Command Center<br>(MCCC) |                     |                 |                 |                 |                  |                  |                   |                   |
|       |   | A - -  |                     |                 |                 |                 |                  |                  |                   |                   |

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0113 5.12. Legal Status of Communications Records

0114 5.12.1. Radio logs

A B -

0115 5.12.2. Recording devices

A B -

|       |   |    |    |    |    |   |    |    |    |
|-------|---|----|----|----|----|---|----|----|----|
| C 66  | Clean recorder-reproducer heads             | 3  | 6  | 4  | 6  | 3 | 6  | 0  | 0  |
| C 67  | Degauss recording tapes                     | 3  | 7  | 4  | 6  | 0 | 6  | 17 | 20 |
| E 132 | Identify recording equipment malfunctions   | 10 | 7  | 18 | 0  | 6 | 13 | 0  | 0  |
| I 237 | Review recording tapes for radio procedures | 4  | 15 | 4  | 11 | 6 | 19 | 0  | 0  |

0116 6. C41 SECURITY

0117 6.1. Operations Security (OPSEC)

0118 6.1.1. Definition

A B -

0119 6.1.2. Background

A A -

0120 6.1.3. Relationship of OPSEC to other security programs

A A B

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0121 6.1.4. Vulnerabilities A B -

0122 6.1.5. Critical information A A -

0123 6.2. Information Security

0124 6.2.1. Classification process - - -

0125 6.2.2. Declassification process - - -

0126 6.2.3. Information safeguards

0127 6.2.3.1. Unclassified

0128 6.2.3.1.1. Privacy Act A A -

0129 6.2.3.1.2. For Official Use Only (FOUO) A A -

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| 0130        | 6.2.3.1.3. Sensitive But Unclassified (SBU)   | A                   | A               | -               |                 |
| 0131        | 6.2.3.2. Classified   | A                   | A               | -               |                 |
| 0132        | 6.3. Communications Security (COMSEC)   |                     |                 |                 |                 |
| 0133        | 6.3.1. Definition   | A                   | B               | B               |                 |
| 0134        | 6.3.2. Vulnerabilities  | A                   | B               | -               |                 |
| 0135        | 6.3.3. Safeguarding information   | 2b                  | B               | -               |                 |
| I 212       | Destroy classified or COMSEC materials or documents   | 62                  | 80              | 29              | 77              |
| I 213       | Establish or maintain accountability records for<br>classified or COMSEC materials or documents | 64                  | 71              | 36              | 63              |
| 0136        | 6.3.4. Identify/report insecurities   | A                   | B               | B               |                 |
| I 215       | Identify and report suspected security compromises  | 57                  | 64              | 29              | 54              |
| I 216       | Initiate classified reports, messages, or documents   | 41                  | 44              | 11              | 29              |
| I 229       | Prepare reports of security or COMSEC violations  | 30                  | 57              | 14              | 49              |
| 0137        | 6.3.5. COMSEC materials   |                     |                 |                 |                 |



| D<br>T<br>Y | Task Title   | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 | ANG AFRC<br>9 9 |
|-------------|--|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 0138        | 6.3.5.1. Accounting  | 2b - -              |                 |                 |                 |                 |                 |
| I 213       | Establish or maintain accountability records for classified or COMSEC materials or documents | 64 71               | 36 63           | 80 77           | 100 80          |                 |                 |
| I 222       | Maintain security or COMSEC forms for safes, containers, or rooms                            | 48 64               | 25 51           | 60 74           | 83 60           |                 |                 |
| I 232       | Research marking or processing classified materials directives                               | 20 23               | 11 14           | 17 30           | 83 20           |                 |                 |
| 0139        | 6.3.5.2. Document  | 2b B -              |                 |                 |                 |                 |                 |
| I 213       | Establish or maintain accountability records for classified or COMSEC materials or documents | 64 71               | 36 63           | 80 77           | 100 80          |                 |                 |
| I 232       | Research marking or processing classified materials directives                               | 20 23               | 11 14           | 17 30           | 83 20           |                 |                 |
| 0140        | 6.3.5.3. Store   | 2b B -              |                 |                 |                 |                 |                 |
| I 222       | Maintain security or COMSEC forms for safes, containers, or rooms                            | 48 64               | 25 51           | 60 74           | 83 60           |                 |                 |
| I 239       | Store classified or COMSEC materials or documents, other than at deployed locations          | 45 59               | 21 49           | 54 68           | 100 40          |                 |                 |
| 0141        | 6.3.5.4. Handle  | 2b B -              |                 |                 |                 |                 |                 |
| I 213       | Establish or maintain accountability records for classified or COMSEC materials or documents | 64 71               | 36 63           | 80 77           | 100 80          |                 |                 |
| I 222       | Maintain security or COMSEC forms for safes, containers, or rooms                            | 48 64               | 25 51           | 60 74           | 83 60           |                 |                 |
| I 227       | Perform two-person integrity (TPI) procedures for top secret materials                       | 22 16               | 21 20           | 20 15           | 33 0            |                 |                 |
| 0142        | 6.3.5.5. Destroy   | 2b B -              |                 |                 |                 |                 |                 |
| I 212       | Destroy classified or COMSEC materials or documents  | 62 80               | 29 77           | 83 83           | 100 80          |                 |                 |

| D<br>T<br>Y | Task<br>Nbr | Task Title   | b B -               |                 |                 |                 |                 |                 |                 |                 |                 |                 |
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|             |             |  | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 |
| 0143        |             | 6.3.5.6. Transport   |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| F 147       |             | Issue, load, or retrieve cryptographic equipment   | 48 45               | 14 43           | 69 45           | 83 60           |                 |                 |                 |                 |                 |                 |
| I 228       |             | Prepare administrative, classified, or COMSEC materials or documents for mailing, transporting, or issue | 45 56               | 18 51           | 57 60           | 100 60          |                 |                 |                 |                 |                 |                 |
| I 240       |             | Transport classified or COMSEC materials or documents  | 51 67               | 25 54           | 63 74           | 100 80          |                 |                 |                 |                 |                 |                 |
| 0144        |             | 6.3.5.7. Voice call sign listing   |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|             |             | 2b B -   |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| D 92        |             | Identify incoming calls using call-sign lists  | 33 55               | 39 51           | 31 62           | 17 20           |                 |                 |                 |                 |                 |                 |
| I 214       |             | Extract call-signs   | 43 44               | 25 23           | 49 60           | 100 40          |                 |                 |                 |                 |                 |                 |
| 0145        |             | 6.3.5.8. Encode/decode document  |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|             |             | A B -  |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| D 91        |             | Encode or decode messages automatically or manually  | 35 57               | 21 54           | 46 62           | 33 40           |                 |                 |                 |                 |                 |                 |
| 0146        |             | 6.3.5.9. Authentication systems  |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|             |             | 2b B -   |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| D 75        |             | Authenticate message traffic using transmission authentication systems                                   | 39 64               | 29 71           | 43 64           | 67 20           |                 |                 |                 |                 |                 |                 |
| D 76        |             | Authenticate stations using challenge-and-reply systems  | 42 62               | 36 66           | 46 62           | 50 40           |                 |                 |                 |                 |                 |                 |
| 0147        |             | 6.3.5.10. Keying materials   |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|             |             | 2b A -   |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| H 192       |             | Perform manual key loading procedures  | 22 25               | 14 23           | 26 30           | 33 0            |                 |                 |                 |                 |                 |                 |
| 0148        |             | 6.3.5.11. Encryption devices   |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|             |             | A B -  |                     |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| D 91        |             | Encode or decode messages automatically or manually  | 35 57               | 21 54           | 46 62           | 33 40           |                 |                 |                 |                 |                 |                 |
| E 121       |             | Identify cryptographic equipment malfunctions  | 45 55               | 36 57           | 49 57           | 67 20           |                 |                 |                 |                 |                 |                 |
| F 147       |             | Issue, load, or retrieve cryptographic equipment   | 48 45               | 14 43           | 69 45           | 83 60           |                 |                 |                 |                 |                 |                 |
| H 194       |             | Perform over-the-air (OTAR) rekeying procedures  | 20 16               | 18 11           | 26 21           | 0 0             |                 |                 |                 |                 |                 |                 |
| H 197       |             | Perform satellite mission control systems (SMCS) key loading procedures                                  | 4 6                 | 7 3             | 3 9             | 0 0             |                 |                 |                 |                 |                 |                 |
| H 205       |             | Set up Communications Security (COMSEC) equipment  | 43 48               | 36 40           | 51 55           | 33 40           |                 |                 |                 |                 |                 |                 |

| D<br>T Task<br>Y Nbr | Task Title   | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>51 55 | ANG AFRC<br>33 40 |
|----------------------|--|---------------------|-----------------|-----------------|-------------------|-------------------|
|                      |  |                     |                 |                 |                   |                   |
| 0149                 | 6.3.5.12. Fill devices (e.g. DTD, KOI, KYK)                                | A B -               |                 |                 |                   |                   |
| H 205                | Set up Communications Security (COMSEC) equipment                          | 43 48               | 36 40           | 51 55           | 33 40             |                   |
| 0150                 | 6.3.5.13. Key encryption device procedures<br>(e.g. KOV)                   | b - -               |                 |                 |                   |                   |
| A 8                  | Key or zeroize secure cryptographic systems                                | 84 82               | 79 77           | 86 83           | 100 100           |                   |
| A 30                 | Verify keying of cryptographic equipment                                   | 68 71               | 46 69           | 83 74           | 83 60             |                   |
| H 192                | Perform manual key loading procedures                                      | 22 25               | 14 23           | 26 30           | 33 0              |                   |
| H 195                | Perform point-to-point (PTP) call procedures                               | 17 14               | 18 11           | 20 17           | 0 0               |                   |
| H 197                | Perform satellite mission control systems (SMCS) key<br>loading procedures | 4 6                 | 7 3             | 3 9             | 0 0               |                   |
| 0151                 | 6.3.5.14. Operate encryption device  | - - -               |                 |                 |                   |                   |
| A 5                  | Connect or disconnect cryptographic equipment                              | 68 70               | 79 69           | 60 68           | 67 100            |                   |
| 0152                 | 6.3.6. Transmission Security (TRANSEC)                                     | A B -               |                 |                 |                   |                   |
| D 75                 | Authenticate message traffic using transmission<br>authentication systems  | 39 64               | 29 71           | 43 64           | 67 20             |                   |
| D 76                 | Authenticate stations using challenge-and-reply<br>systems                 | 42 62               | 36 66           | 46 62           | 50 40             |                   |
| 0153                 | 6.4. Emission Security (EMSEC)   |                     |                 |                 |                   |                   |
| 0154                 | 6.4.1. Definition  | A B -               |                 |                 |                   |                   |
| 0155                 | 6.4.2. Notifications   | - - -               |                 |                 |                   |                   |

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|-------------|--|---------------------|-----------------|-----------------|-----------------|
| 0156        | 6.5. Computer security (COMPUSEC)          |                     |                 |                 |                 |
| 0157        | 6.5.1. Definition                          | A                   | B               | -               |                 |
| 0158        | 6.5.2. Vulnerabilities                     | A                   | B               | -               |                 |
| 0159        | 6.5.3. Processing classified information   | -                   | -               | -               |                 |
| 0160        | 6.5.4. Identify/report security violations | -                   | -               | -               |                 |
| 0161        | 6.6. Physical Security                     |                     |                 |                 |                 |
| 0162        | 6.6.1. Definition                          | A                   | B               | -               |                 |
| 0163        | 6.6.2. Secure area access management       | -                   | -               | -               |                 |
| 0164        | 6.6.3. Facility security requirements      | -                   | -               | -               |                 |

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0165 6.6.4. Classified material control

0166 6.6.4.1. Storage

A B -

I 222 Maintain security or COMSEC forms for safes, containers, or rooms  
I 239 Store classified or COMSEC materials or documents, other than at deployed locations

48 64 25 51 60 74 83 60  
45 59 21 49 54 68 100 40

0167 6.6.4.2. Shipment

A B -

I 228 Prepare administrative, classified, or COMSEC materials or documents for mailing, transporting, or issue

45 56 18 51 57 60 100 60

0168 6.6.4.3. Handling

A B -

I 222 Maintain security or COMSEC forms for safes, containers, or rooms  
I 227 Perform two-person integrity (TPI) procedures for top secret materials  
I 232 Research marking or processing classified materials directives

48 64 25 51 60 74 83 60  
22 16 21 20 20 15 33 0  
20 23 11 14 17 30 83 20

0169 6.6.4.4. Destruction

A B -

0170 6.6.4.5. Classified waste

A B -

0171 6.6.5. Identify/report violations procedures

b B -

I 215 Identify and report suspected security compromises  
I 229 Prepare reports of security or COMSEC violations

57 64 29 54 71 72 100 60  
30 57 14 49 34 66 83 40

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0172 6.7. Security Awareness Training and Education

0173 6.7.1. Information Awareness (IA)

0174 6.7.2. Threats and vulnerabilities

0175 6.7.3. Identify/report insecurities

0176 6.7.4. Protective measures

0177 7. OPERATING PROCEDURES

0178 7.1. Prepare Message Formats

0179 7.1.1. Foxtrot

D 107 Prepare messages using Foxtrot format

0180 7.1.2. Emergency Action Message (EAM)

D 106 Prepare messages using Emergency Action Message (EAM)

D 117 Reset EAM alarms

| D<br>T Tsk<br>Y Nbr | Task Title   | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>9 9 |
|---------------------|--|---------------------|-----------------|-----------------|-----------------|
| 0181                | 7.2. Automatic Digital Network (AUTODIN/Defense Message Service (DMS))                             |                     |                 |                 |                 |
| D 105               | Prepare messages using Automatic Digital Network (AUTODIN) or Defense Message Service (DMS) format | 10 14               | 4 11            | 11 17           | 33 0            |
| D 117               | Reset EAM alarms   | 7 9                 | 14 6            | 3 13            | 0 0             |
| E 123               | Identify DMS malfunctions  | 7 9                 | 11 6            | 3 13            | 17 0            |
| 0182                | 7.3. Prescribed procedures in:   |                     |                 |                 |                 |
| 0183                | 7.3.1. Preventing false or fraudulent distress signals   |                     |                 |                 |                 |
| D 108               | Prevent false distress signals   | 13 24               | 7 17            | 20 32           | 0 0             |
| 0184                | 7.3.2. Preventing transmission of obscene, indecent, or profane language                           |                     |                 |                 |                 |
| D 109               | Prevent transmission of obscene or indecent language   | 29 51               | 21 49           | 40 53           | 0 40            |
| 0185                | 7.3.3. Frequency control   |                     |                 |                 |                 |
| D 88                | Determine operating frequencies  | 28 49               | 21 46           | 31 53           | 33 40           |
| D 96                | Notify stations of frequency changes   | 30 48               | 32 40           | 34 55           | 0 40            |
| I 211               | Coordinate frequency use with requestors or spectrum managers                                      | 19 25               | 11 20           | 23 30           | 33 20           |
| I 226               | Monitor frequencies for interference among users   | 14 30               | 18 31           | 11 30           | 17 20           |
| I 231               | Request permanent frequency changes  | 13 26               | 7 20            | 17 32           | 17 20           |
| I 241               | Update frequency allocation lists  | 12 26               | 0 26            | 14 28           | 50 20           |
| 0186                | 7.3.4. Operating power   |                     |                 |                 |                 |

| D     | T Task   | Y Nbr | Task Title               | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 7 7 9 9 | ANG AFRC<br>5 5 7 7 9 9 |
|-------|--|-------|--------------------------|---------------------|-------------------------|-------------------------|
| 0187  | 7.3.5.   |       | Operating signals        | 2b B -              |                         |                         |
| D 102 | Perform signal testing in radio communications                       |       |                          | 38 47               | 54 37                   | 31 55                   |
| D 108 | Prevent false distress signals                                       |       |                          | 13 24               | 7 17                    | 20 32                   |
| 0188  | 7.3.6.   |       | Prosigns                 | 2b B -              |                         |                         |
| D 82  | Conduct data transmission using prosigns                             |       |                          | 30 55               | 29 60                   | 34 53                   |
| 0189  | 7.3.7.   |       | Hand printing techniques | 2b - -              |                         |                         |
| D 99  | Perform hand printing techniques                                     |       |                          | 29 44               | 18 34                   | 37 51                   |
| 0190  | 7.3.8.   |       | Message handling         | 2b B -              |                         |                         |
| D 93  | Identify missent or misrouted messages                               |       |                          | 14 28               | 7 26                    | 23 32                   |
| D 115 | Receive, transmit, or relay messages                                 |       |                          | 36 54               | 46 51                   | 31 62                   |
| D 117 | Reset EAM alarms   |       |                          | 7 9                 | 14 6                    | 3 13                    |
| H 193 | Perform message processing procedures                                |       |                          | 14 17               | 14 11                   | 17 23                   |
| 0191  | 7.3.9.   |       | Log keeping              | 2b B -              |                         |                         |
| I 220 | Maintain data logs   |       |                          | 49 43               | 36 37                   | 57 49                   |
| I 234 | Review deficiency, service, or status reports                        |       |                          | 13 21               | 4 17                    | 17 26                   |
| 0192  | 7.4.   |       | Direction Finding        | A B -               |                         |                         |
| D 86  | Coordinate aircraft positions with direction-finding (DF) facilities |       |                          | 0 8                 | 0 9                     | 0 9                     |
| D 90  | Direct users to tune to your count                                   |       |                          | 12 25               | 4 11                    | 20 36                   |



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| 0193        | 7.5. Use Prescribed Circuit Operating Procedures in Employment of:         |                     |                 |                 |                 |
| 0194        | 7.5.1. Phonetic alphabet   | 2b - -              |                 |                 |                 |
| D 81        | Conduct data transmission using phonetic alphabet                          | 46 54               | 54 54           | 43 55           | 33 40           |
| 0195        | 7.5.2. Prowords  | 2b - -              |                 |                 |                 |
| D 83        | Conduct data transmission using prowords                                   | 30 54               | 29 57           | 34 53           | 17 40           |
| 0196        | 7.5.3. Universal Coordinated Time (UCT)                                    | 2b - -              |                 |                 |                 |
| D 80        | Conduct data or voice transmissions using universal coordinated time (UCT) | 33 43               | 29 37           | 40 47           | 17 40           |
| D 104       | Perform time hacks   | 36 55               | 29 46           | 46 64           | 17 40           |
| 0197        | 7.5.4. Microphone techniques   | 2b - -              |                 |                 |                 |
| D 100       | Perform microphone techniques in radio communications                      | 33 46               | 29 40           | 43 51           | 0 40            |
| 0198        | 7.5.5. Signal testing  | 2b - -              |                 |                 |                 |
| D 101       | Perform radio checks   | 48 67               | 50 66           | 49 70           | 33 40           |
| D 102       | Perform signal testing in radio communications                             | 38 47               | 54 37           | 31 55           | 0 40            |
| 0199        | 7.5.6. Calling and answering   | 2b - -              |                 |                 |                 |
| D 97        | Perform conference call procedures   | 12 16               | 14 11           | 9 21            | 17 0            |
| D 103       | Perform three-way call procedures  | 14 13               | 11 6            | 20 19           | 0 0             |
| H 195       | Perform point-to-point (PTP) call procedures                               | 17 14               | 18 11           | 20 17           | 0 0             |

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| -----       |  |   |                     |               |               |               |               |               |               |               |  |  |
| 0200        | 7.5.7.   | Broadcasting  | 2b                  | -             | -             |               |               |               |               |               |  |  |
| -----       |  |   |                     |               |               |               |               |               |               |               |  |  |
| D 77        | Broadcast radio transmissions  |   | 41                  | 53            | 54            | 57            | 37            | 51            | 0             | 40            |  |  |
| D 114       | Receive, transmit, or relay broadcasts   |   | 28                  | 41            | 36            | 46            | 23            | 43            | 17            | 0             |  |  |
| -----       |  |   |                     |               |               |               |               |               |               |               |  |  |
| 0201        | 7.5.8.   | Phone patching procedures   | 2b                  | B             | -             |               |               |               |               |               |  |  |
| -----       |  |   |                     |               |               |               |               |               |               |               |  |  |
| A 24        | Set up patch panels  |   | 9                   | 6             | 18            | 3             | 3             | 9             | 0             | 0             |  |  |
| A 25        | Set up phone patch equipment   |   | 17                  | 16            | 18            | 6             | 20            | 26            | 0             | 0             |  |  |
| B 42        | Configure consoles or terminals for phone patch operations   |   | 9                   | 9             | 14            | 6             | 6             | 13            | 0             | 0             |  |  |
| B 58        | Configure transportable switchboard or telephone equipment for phone patch, secure voice data, or switchboard dial code operations |   | 9                   | 10            | 11            | 11            | 9             | 11            | 0             | 0             |  |  |
| -----       |  |   |                     |               |               |               |               |               |               |               |  |  |
| 0202        | 7.6.   | Net Control Station   | A                   | B             | -             |               |               |               |               |               |  |  |
| -----       |  |   |                     |               |               |               |               |               |               |               |  |  |
| A 15        | Set time generators on recorders   |   | 6                   | 1             | 11            | 0             | 0             | 2             | 17            | 0             |  |  |
| B 48        | Configure terminals for alternate or net control station (NCS) operations  |   | 12                  | 24            | 11            | 29            | 14            | 23            | 0             | 0             |  |  |
| D 78        | Check stations into or out of net  |   | 33                  | 57            | 29            | 57            | 40            | 60            | 17            | 40            |  |  |
| D 84        | Conduct net roll calls or polls  |   | 22                  | 41            | 14            | 34            | 29            | 47            | 17            | 40            |  |  |
| D 95        | Impose or lift radio silence   |   | 22                  | 37            | 18            | 31            | 29            | 43            | 0             | 20            |  |  |
| D 96        | Notify stations of frequency changes   |   | 30                  | 48            | 32            | 40            | 34            | 55            | 0             | 40            |  |  |
| -----       |  |   |                     |               |               |               |               |               |               |               |  |  |
| 0203        | 7.7.   | Determine Step-by-Step Operating and reporting Procedures for Command, Control Communications, Countermeasures (C3CM) | b                   | B             | -             |               |               |               |               |               |  |  |
| -----       |  |   |                     |               |               |               |               |               |               |               |  |  |
| D 79        | Conduct command, control, communications countermeasures (C3CM) using operating procedures   |   | 23                  | 46            | 14            | 43            | 31            | 51            | 17            | 20            |  |  |
| -----       |  |   |                     |               |               |               |               |               |               |               |  |  |
| 0204        | 7.7.1.   | Spectrum interference (i.e. HF/SATCOM)  |                     |               |               |               |               |               |               |               |  |  |

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|----------------------|---|---------------------|-----------------|-----------------|-----------------|
| 0205                 | 7.7.1.1. Recognition  | B B -               |                 |                 |                 |
| D 89                 | Determine types of spectrum interferences   | 25 25               | 4 17            | 37 34           | 50 0            |
| D 90                 | Direct users to tune to your count  | 12 25               | 4 11            | 20 36           | 0 20            |
| I 226                | Monitor frequencies for interference among users                                      | 14 30               | 18 31           | 11 30           | 17 20           |
| 0206                 | 7.7.1.2. Countermeasures  | B B -               |                 |                 |                 |
| D 94                 | Implement spectrum interference countermeasures                                       | 12 24               | 7 17            | 14 32           | 17 0            |
| 0207                 | 7.7.1.3. Reporting  | A B -               |                 |                 |                 |
| D 87                 | Coordinate spectrum interferences with DF facilities                                  | 6 7                 | 4 6             | 6 9             | 17 0            |
| D 116                | Record and report spectrum interference incidents                                     | 26 24               | 14 11           | 34 36           | 33 0            |
| I 244                | Write reports, such as after-action, outage, spectrum interference, or unit readiness | 28 43               | 7 31            | 37 51           | 67 40           |
| 0208                 | 7.7.2. Handle aircraft emergencies/incidents  | 2b B -              |                 |                 |                 |
| D 95                 | Impose or lift radio silence  | 22 37               | 18 31           | 29 43           | 0 20            |
| 0209                 | 7.7.3. Aircraft reports   | 2b B -              |                 |                 |                 |
| D 110                | Receive and relay aircraft emergencies  | 14 20               | 25 17           | 6 23            | 17 0            |
| D 111                | Receive and relay departure reports   | 12 23               | 18 23           | 6 26            | 17 0            |
| D 112                | Receive and relay execution checklist messages  | 12 16               | 18 11           | 6 21            | 17 0            |
| D 113                | Receive and relay position reports  | 12 22               | 18 17           | 6 28            | 17 0            |
| F 150                | Review air tasking documents  | 23 20               | 4 14            | 26 23           | 100 20          |
| 0210                 | 8. WAVE CREATION, PROPAGATION AND RADIATION   |                     |                 |                 |                 |

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0211 8.1. Wave Creation and Propagation

0212 8.1.1. Concept of radio waves

B B -

0213 8.1.2. Characteristics of wave travel

0214 8.1.2.1. Ground waves

B B -

0215 8.1.2.2. Sky waves

B B -

0216 8.1.2.3. Direct wave

B B -

0217 8.1.3. Characteristics of frequency bands

B B -

0218 8.1.4. Typical application:

0219 8.1.4.1. Carrier wave (CW)

A A -

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|-------------|-------------|--|-------|---------------------|-----------------|-----------------|-----------------|-----------------|
|             |             |  |       |                     |                 |                 |                 |                 |
| 0220        | 8.1.4.2.    | Amplitude modulation (AM)  | B B - |                     |                 |                 |                 |                 |
| 0221        | 8.1.4.3.    | Single side band (SSB)   | B B - |                     |                 |                 |                 |                 |
| 0222        | 8.1.4.4.    | Frequency modulation (FM)  | B B - |                     |                 |                 |                 |                 |
| 0223        | 8.1.4.5.    | Frequency shift keying (FSK)   | B B - |                     |                 |                 |                 |                 |
| 0224        | 8.1.4.6.    | Digital transmissions  | B B - |                     |                 |                 |                 |                 |
| B 56        |             | Configure transceivers for secure radio data transfer  |       | 26 41               | 29 40           | 20 47           | 50 0            | 0               |
| B 58        |             | Configure transportable switchboard or telephone<br>equipment for phone patch, secure voice data, or<br>switchboard dial code operations |       | 9 10                | 11 11           | 9 11            | 0 0             | 0               |
| 0225        | 8.1.4.7.    | Frequency agility  | B B - |                     |                 |                 |                 |                 |
| B 54        |             | Configure transceivers for Have Quick Operations   |       | 14 16               | 14 17           | 9 17            | 50 0            | 0               |
| 0226        | 8.1.5.      | Modes of operations  |       |                     |                 |                 |                 |                 |
| 0227        | 8.1.5.1.    | Half duplex  | A A - |                     |                 |                 |                 |                 |
| B 43        |             | Configure equipment for duplex or simplex operations   |       | 12 18               | 7 9             | 17 28           | 0 0             | 0               |

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|-------------|--|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|             |  |                     |                 |                 |                 |                 |                 |
| 0228        | 8.1.5.2. Full duplex                                 |                     | A               | A               | -               |                 |                 |
| B 43        | Configure equipment for duplex or simplex operations | 12 18               | 7               | 9               | 17              | 28              | 0 0             |
| 0229        | 8.2. Antenna Systems                                 |                     |                 |                 |                 |                 |                 |
| 0230        | 8.2.1. Function of antennas                          |                     | B               | B               | -               |                 |                 |
| E 118       | Identify antenna system malfunctions                 | 41 60               | 57              | 54              | 34              | 66              | 0 40            |
| 0231        | 8.2.2. General characteristics of antennas           |                     |                 |                 |                 |                 |                 |
| 0232        | 8.2.2.1. Fixed                                       |                     | B               | B               | -               |                 |                 |
| C 72        | Repair antennas, other than tactical antennas        | 16 21               | 21              | 17              | 11              | 26              | 17 0            |
| 0233        | 8.2.2.2. Deployable                                  |                     | B               | B               | -               |                 |                 |
| C 73        | Repair tactical antennas                             | 20 31               | 29              | 29              | 17              | 34              | 0 20            |
| 0234        | 8.2.2.3 Antenna theory                               |                     |                 |                 |                 |                 |                 |
| 0235        | 8.2.2.3.1. Fixed                                     |                     | B               | B               | -               |                 |                 |

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0236 8.2.2.3.2. Deployable B B -

0237 8.3. Use Propagation Documents - - -

A 13 Select frequency-of-optimum transmissions (FOTs) 22 43 32 43 17 45 0 20  
I 235 Review propagation aids or charts 17 36 14 31 20 38 17 40

0238 9. MISSION AND EQUIPMENT CAPABILITIES

0239 9.1. Mission:

0240 9.1.1. Global (e.g. MYSTIC STAR) A B B

0241 9.1.2. Regency net - - -

0242 9.1.3. System Information and Telecommunication A A B  
System of the American Air Forces (SITFAA)

0243 9.1.4. Global Weather Intercept (GWIP) - - -

0244 9.1.5. MILSTAR and AFSATCOM A B B

E 130 Identify Milstar false alarms or advisories 6 1 11 3 3 0 0 0  
E 134 Identify terminal malfunctions 13 14 18 9 11 19 0 0

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|-------------|-------------|---|---------------------|----------|----|----|----------|----|---|----------|---|---|
|             |             |   |                     | 5        | 5  | 7  | 5        | 5  | 7 | 5        | 5 | 7 |
| G 160       |             | Establish communications links with master control centers              | 12 24               | 14       | 26 | 11 | 26       | 0  | 0 | 0        | 0 | 0 |
| G 161       |             | Establish communications links with mission monitors                    | 9 20                | 11       | 26 | 9  | 17       | 0  | 0 | 0        | 0 | 0 |
| G 162       |             | Establish communications links with on-station aircraft                 | 3 16                | 4        | 20 | 3  | 15       | 0  | 0 | 0        | 0 | 0 |
| G 163       |             | Establish communications links with primary control centers             | 7 26                | 11       | 29 | 6  | 28       | 0  | 0 | 0        | 0 | 0 |
| G 164       |             | Initiate or terminate satellite commands                                | 4 24                | 7        | 23 | 3  | 28       | 0  | 0 | 0        | 0 | 0 |
| G 165       |             | Load SATCOM command post synchronizers                                  | 7 8                 | 14       | 6  | 0  | 11       | 17 | 0 | 0        | 0 | 0 |
| G 166       |             | Load terminal software  | 7 16                | 7        | 17 | 6  | 17       | 17 | 0 | 0        | 0 | 0 |
| G 167       |             | Operate status display units (SDUs)                                     | 3 3                 | 4        | 0  | 3  | 6        | 0  | 0 | 0        | 0 | 0 |
| G 168       |             | Perform antenna position control functions                              | 13 23               | 14       | 20 | 14 | 28       | 0  | 0 | 0        | 0 | 0 |
| G 169       |             | Perform satellite look-angle procedures                                 | 13 18               | 18       | 14 | 11 | 23       | 0  | 0 | 0        | 0 | 0 |
| G 170       |             | Perform selective message routing procedures                            | 3 15                | 4        | 9  | 3  | 21       | 0  | 0 | 0        | 0 | 0 |
| G 171       |             | Perform van set up procedures   | 7 1                 | 7        | 0  | 9  | 2        | 0  | 0 | 0        | 0 | 0 |
| G 172       |             | Queue messages  | 10 21               | 7        | 23 | 14 | 21       | 0  | 0 | 0        | 0 | 0 |
| G 173       |             | Reconfigure SATCOM systems for operations in degraded conditions        | 7 14                | 11       | 6  | 6  | 21       | 0  | 0 | 0        | 0 | 0 |
| G 174       |             | Reset terminal software   | 6 10                | 11       | 9  | 3  | 13       | 0  | 0 | 0        | 0 | 0 |
| G 175       |             | Set up or join Air Force Satellite Communication (AFSATCOM) nets        | 17 24               | 25       | 23 | 14 | 28       | 0  | 0 | 0        | 0 | 0 |
| G 176       |             | Store SATCOM messages   | 12 24               | 14       | 20 | 11 | 30       | 0  | 0 | 0        | 0 | 0 |
| G 178       |             | Transmit SATCOM messages  | 23 39               | 29       | 37 | 23 | 45       | 0  | 0 | 0        | 0 | 0 |
| H 185       |             | Perform anomaly resolution procedures                                   | 1 0                 | 4        | 0  | 0  | 0        | 0  | 0 | 0        | 0 | 0 |
| H 186       |             | Perform breaking-the-chain (BTC) keying procedures                      | 4 1                 | 7        | 0  | 3  | 2        | 0  | 0 | 0        | 0 | 0 |
| H 187       |             | Perform cold start procedures   | 13 7                | 11       | 3  | 17 | 11       | 0  | 0 | 0        | 0 | 0 |
| H 189       |             | Perform EHF network procedures  | 7 0                 | 11       | 0  | 6  | 0        | 0  | 0 | 0        | 0 | 0 |
| H 190       |             | Perform Milstar emergency shutdown or reset procedures                  | 4 0                 | 7        | 0  | 3  | 0        | 0  | 0 | 0        | 0 | 0 |
| H 191       |             | Perform ephemeral update procedures                                     | 7 0                 | 11       | 0  | 6  | 0        | 0  | 0 | 0        | 0 | 0 |
| H 192       |             | Perform manual key loading procedures                                   | 22 25               | 14       | 23 | 26 | 30       | 33 | 0 | 0        | 0 | 0 |
| H 193       |             | Perform message processing procedures                                   | 14 17               | 14       | 11 | 17 | 23       | 0  | 0 | 0        | 0 | 0 |
| H 197       |             | Perform satellite mission control systems (SMCS) key loading procedures | 4 6                 | 7        | 3  | 3  | 9        | 0  | 0 | 0        | 0 | 0 |
| H 198       |             | Perform single-channel transponder (SCT) procedures                     | 7 0                 | 14       | 0  | 3  | 0        | 0  | 0 | 0        | 0 | 0 |
| H 199       |             | Perform spot beam procedures  | 6 1                 | 7        | 0  | 6  | 2        | 0  | 0 | 0        | 0 | 0 |
| H 200       |             | Perform terminal control procedures                                     | 10 1                | 14       | 3  | 9  | 0        | 0  | 0 | 0        | 0 | 0 |
| H 201       |             | Perform terminal initialization procedures                              | 10 0                | 14       | 0  | 9  | 0        | 0  | 0 | 0        | 0 | 0 |
| H 206       |             | Set up or tear down Milstar networks                                    | 7 2                 | 11       | 6  | 6  | 0        | 0  | 0 | 0        | 0 | 0 |
| H 207       |             | Set up or tear down Milstar PTP calls                                   | 6 1                 | 7        | 3  | 6  | 0        | 0  | 0 | 0        | 0 | 0 |
| 0245        |             | 9.1.6. Combat Communications  |                     |          |    |    |          |    |   |          |   |   |



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0246 9.1.7. Special Operations

A B B

0247 9.1.8. Wing Contingency Communications  
(i.e. Theater Deployable Communications (TDC),  
WICP, MICK)

A B -

0248 9.1.9. Combat Crew Communication (CCC)

A B B

|       |  |    |    |    |    |    |    |     |    |
|-------|--|----|----|----|----|----|----|-----|----|
| F 135 | Assemble, issue, retrieve, or break down daily training communication kits                           | 39 | 43 | 14 | 46 | 49 | 40 | 100 | 40 |
| F 137 | Assemble, issue, retrieve, or break down single integrated operations plan (SIOP) communication kits | 35 | 26 | 7  | 23 | 46 | 30 | 100 | 20 |
| F 138 | Assemble, issue, retrieve, or update flight information publication (FLIP) bags                      | 23 | 29 | 7  | 26 | 29 | 32 | 67  | 20 |
| F 139 | Brief aircrews on communications procedures  | 35 | 29 | 14 | 26 | 40 | 32 | 100 | 20 |
| F 140 | Conduct aircrew or missile crew premission briefings or postmission debriefings                      | 22 | 18 | 4  | 11 | 26 | 23 | 83  | 20 |
| F 141 | Conduct exercise or contingency briefings or debriefings   | 26 | 31 | 7  | 20 | 29 | 36 | 100 | 60 |
| F 142 | Conduct SIOP or safe passage communications training   | 30 | 25 | 7  | 17 | 37 | 32 | 100 | 20 |
| F 143 | Construct or maintain combat mission folders (CMFs)  | 26 | 22 | 7  | 17 | 31 | 26 | 83  | 20 |
| F 144 | Create exercise or contingency communications FLIMSYS  | 29 | 22 | 7  | 23 | 34 | 21 | 100 | 20 |
| F 145 | Issue, load, or retrieve time standard modules (TSMs) to aircrews                                    | 10 | 7  | 11 | 6  | 6  | 6  | 33  | 20 |
| F 146 | Issue, load, retrieve or zeroize transfer modules  | 20 | 24 | 11 | 23 | 20 | 26 | 67  | 20 |
| F 147 | Issue, load, or retrieve cryptographic equipment   | 48 | 45 | 14 | 43 | 69 | 45 | 83  | 60 |
| F 148 | Issue or retrieve Identification Friend or Foe (IFF) or Special Identification Feature (SIF) codes   | 30 | 24 | 4  | 23 | 43 | 26 | 83  | 20 |
| F 149 | Operate transfer module service sets (TMSS)  | 4  | 7  | 4  | 6  | 3  | 6  | 17  | 20 |
| F 151 | Review flying schedules  | 29 | 28 | 4  | 23 | 37 | 32 | 100 | 20 |

0249 9.1.10. NATO

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0250 9.1.11. Aeromedical evacuation support

A B B

0251 9.1.12. Joint Communication

A B B

0252 9.2. Equipment

0253 9.2.1. High Frequency (HF)

A B C

A 23 Set up mobile HF, VHF, UHF, or EHF satellite transceivers

35 57 43 60 31 60 17 20

A 32 Verify or load equipment presets

36 55 46 49 29 66 33 0

B 34 Change receiver, transceiver, or transmitter frequencies manually or by remote control

32 55 36 51 34 60 0 40

B 35 Change recorder-receiver pairings

1 0 4 0 0 0 0 0

G 152 Configure consoles or terminals for secure or nonsecure voice or data communications

26 29 21 26 26 34 50 0

G 159 Establish communications links with command centers

14 32 21 37 6 30 33 20

G 177 Transfer computer data using secure voice communications networks

16 32 25 29 11 38 0 0

H 183 Initiate bit procedures or tests

12 13 14 6 11 17 0 20

0254 9.2.2. Satellite (e.g. MILSTAR, TACSAT)

A B C

A 32 Verify or load equipment presets

36 55 46 49 29 66 33 0

B 41 Configure consoles or terminals for Milstar operations

3 2 4 6 3 0 0 0

B 45 Configure Hammer Rapid Initial Communications Kit (RICK) equipment for voice or data communications

6 1 4 3 9 0 0 0

B 49 Configure terminals for cross-banding

7 5 11 9 6 2 0 0

D 117 Reset EAM alarms

7 9 14 6 3 13 0 0

E 126 Identify Hammer RICK equipment malfunctions

6 1 4 0 9 2 0 0

E 130 Identify Milstar false alarms or advisories

6 1 11 3 3 0 0 0

F 147 Issue, load, or retrieve cryptographic equipment

48 45 14 43 69 45 83 60

G 152 Configure consoles or terminals for secure or nonsecure voice or data communications

26 29 21 26 26 34 50 0

G 154 Configure Satellite Communications (SATCOM) remote subsystems

14 18 18 14 14 23 0 0

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|---------------------|---|---------------------|----------|----|---|----------|----|---|----------|----|---|
|                     |   |                     | 5        | 5  | 5 | 7        | 7  | 7 | 9        | 9  | 9 |
| G 155               | Configure SATCOM systems for random operations                                  | 16 22               | 25       | 14 |   | 11       | 30 |   | 0        | 0  |   |
| G 156               | Configure SATCOM systems for single-channel transponder systems (SCNRSs)        | 16 13               | 21       | 11 |   | 14       | 15 |   | 0        | 0  |   |
| G 157               | Configure SATCOM systems for time division multiplex (TDM) Mode I operations    | 7 8                 | 11       | 6  |   | 6        | 11 |   | 0        | 0  |   |
| G 158               | Configure SATCOM systems for TDM Mode II operations                             | 4 7                 | 7        | 6  |   | 3        | 9  |   | 0        | 0  |   |
| G 159               | Establish communications links with command centers                             | 14 32               | 21       | 37 |   | 6        | 30 |   | 33       | 20 |   |
| G 160               | Establish communications links with master control centers                      | 12 24               | 14       | 26 |   | 11       | 26 |   | 0        | 0  |   |
| G 161               | Establish communications links with mission monitors                            | 9 20                | 11       | 26 |   | 9        | 17 |   | 0        | 0  |   |
| G 162               | Establish communications links with on-station aircraft                         | 3 16                | 4        | 20 |   | 3        | 15 |   | 0        | 0  |   |
| G 163               | Establish communications links with primary control centers                     | 7 26                | 11       | 29 |   | 6        | 28 |   | 0        | 0  |   |
| G 164               | Initiate or terminate satellite commands  | 4 24                | 7        | 23 |   | 3        | 28 |   | 0        | 0  |   |
| G 165               | Load SATCOM command post synchronizers  | 7 8                 | 14       | 6  |   | 0        | 11 |   | 17       | 0  |   |
| G 166               | Load terminal software  | 7 16                | 7        | 17 |   | 6        | 17 |   | 17       | 0  |   |
| G 167               | Operate status display units (SDUs)   | 3 3                 | 4        | 0  |   | 3        | 6  |   | 0        | 0  |   |
| G 168               | Perform antenna position control functions                                      | 13 23               | 14       | 20 |   | 14       | 28 |   | 0        | 0  |   |
| G 169               | Perform satellite look-angle procedures   | 13 18               | 18       | 14 |   | 11       | 23 |   | 0        | 0  |   |
| G 170               | Perform selective message routing procedures                                    | 3 15                | 4        | 9  |   | 3        | 21 |   | 0        | 0  |   |
| G 171               | Perform van set up procedures   | 7 1                 | 7        | 0  |   | 9        | 2  |   | 0        | 0  |   |
| G 172               | Queue messages  | 10 21               | 7        | 23 |   | 14       | 21 |   | 0        | 0  |   |
| G 173               | Reconfigure SATCOM systems for operations in degraded conditions                | 7 14                | 11       | 6  |   | 6        | 21 |   | 0        | 0  |   |
| G 174               | Reset terminal software   | 6 10                | 11       | 9  |   | 3        | 13 |   | 0        | 0  |   |
| G 175               | Set up or join Air Force Satellite Communication (AFSATCOM) nets                | 17 24               | 25       | 23 |   | 14       | 28 |   | 0        | 0  |   |
| G 176               | Store SATCOM messages   | 12 24               | 14       | 20 |   | 11       | 30 |   | 0        | 0  |   |
| G 177               | Transfer computer data using secure voice communications networks               | 16 32               | 25       | 29 |   | 11       | 38 |   | 0        | 0  |   |
| G 178               | Transmit SATCOM messages  | 23 39               | 29       | 37 |   | 23       | 45 |   | 0        | 0  |   |
| H 179               | Configure Milstar terminals as antenna, communication, or net control terminals | 6 6                 | 11       | 9  |   | 3        | 4  |   | 0        | 0  |   |
| H 180               | Configure Milstar terminals as beam management terminals                        | 6 1                 | 11       | 3  |   | 3        | 0  |   | 0        | 0  |   |
| H 181               | Configure Milstar terminals for DAMA operations                                 | 6 3                 | 11       | 9  |   | 3        | 0  |   | 0        | 0  |   |
| H 182               | Establish or modify EHF acquisitions or log on parameters                       | 6 0                 | 11       | 0  |   | 3        | 0  |   | 0        | 0  |   |
| H 183               | Initiate bit procedures or tests  | 12 13               | 14       | 6  |   | 11       | 17 |   | 0        | 20 |   |
| H 184               | Log on or off Milstar networks or satellites                                    | 6 3                 | 7        | 6  |   | 6        | 2  |   | 0        | 0  |   |
| H 185               | Perform anomaly resolution procedures   | 1 0                 | 4        | 0  |   | 0        | 0  |   | 0        | 0  |   |
| H 186               | Perform breaking-the-chain (BTC) keying procedures                              | 4 1                 | 7        | 0  |   | 3        | 2  |   | 0        | 0  |   |
| H 187               | Perform cold start procedures   | 13 7                | 11       | 3  |   | 17       | 11 |   | 0        | 0  |   |
| H 189               | Perform EHF network procedures  | 7 0                 | 11       | 0  |   | 6        | 0  |   | 0        | 0  |   |
| H 190               | Perform Milstar emergency shutdown or reset procedures                          | 4 0                 | 7        | 0  |   | 3        | 0  |   | 0        | 0  |   |
| H 191               | Perform ephemeris update procedures   | 7 0                 | 11       | 0  |   | 6        | 0  |   | 0        | 0  |   |
| H 197               | Perform satellite mission control systems (SMCS) key loading procedures         | 4 6                 | 7        | 3  |   | 3        | 9  |   | 0        | 0  |   |
| H 198               | Perform single-channel transponder (SCT) procedures                             | 7 0                 | 14       | 0  |   | 3        | 0  |   | 0        | 0  |   |

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|---------------------|--|----------|-----|-----|----------|----|----|----------|-----|-----|
|                     |  | TOT      | TOT | TOT | 5        | 5  | 7  | 7        | 9   | 9   |
| H 199               | Perform spot beam procedures   | 6        | 1   |     | 7        | 0  | 6  | 2        | 0   | 0   |
| H 200               | Perform terminal control procedures  | 10       | 1   |     | 14       | 3  | 9  | 0        | 0   | 0   |
| H 201               | Perform terminal initialization procedures   | 10       | 0   |     | 14       | 0  | 9  | 0        | 0   | 0   |
| H 202               | Perform Time Distribution Subsystem(TDS) or Time Distribution Subsystem Preprocessor(TDSPP) procedures | 7        | 1   |     | 11       | 0  | 6  | 2        | 0   | 0   |
| H 206               | Set up or tear down Milstar networks   | 7        | 2   |     | 11       | 6  | 6  | 0        | 0   | 0   |
| H 207               | Set up or tear down Milstar PTP calls  | 6        | 1   |     | 7        | 3  | 6  | 0        | 0   | 0   |
| 0255                | 9.2.3. Computer interface  |          |     |     |          |    |    |          |     |     |
|                     |  |          |     |     |          |    |    |          |     |     |
| A 4                 | Connect or disconnect computer equipment   | 54       | 72  |     | 64       | 69 | 46 | 72       | 50  | 100 |
| B 51                | Configure terminals for slave-to-master operations   | 7        | 7   |     | 14       | 9  | 3  | 6        | 0   | 0   |
| E 122               | Identify digital electronic switches (DES) malfunctions  | 6        | 7   |     | 11       | 0  | 3  | 13       | 0   | 0   |
| E 123               | Identify DMS malfunctions  | 7        | 9   |     | 11       | 6  | 3  | 13       | 17  | 0   |
| G 152               | Configure consoles or terminals for secure or nonsecure voice or data communications                   | 26       | 29  |     | 21       | 26 | 26 | 34       | 50  | 0   |
| 0256                | 9.2.4. SCOPE Command   |          |     |     |          |    |    |          |     |     |
|                     |  |          |     |     |          |    |    |          |     |     |
| B 38                | Configure consoles for back-to-back operations   | 14       | 5   |     | 14       | 6  | 14 | 4        | 17  | 0   |
| C 69                | Operate or maintain recording devices  | 13       | 13  |     | 21       | 3  | 6  | 21       | 17  | 0   |
| D 97                | Perform conference call procedures   | 12       | 16  |     | 14       | 11 | 9  | 21       | 17  | 0   |
| D 98                | Perform contingency alternate routing procedures   | 10       | 15  |     | 7        | 9  | 14 | 21       | 0   | 0   |
| D 117               | Reset EAM alarms   | 7        | 9   |     | 14       | 6  | 3  | 13       | 0   | 0   |
| E 120               | Identify console malfunctions  | 12       | 14  |     | 18       | 17 | 6  | 13       | 17  | 0   |
| E 122               | Identify digital electronic switches (DES) malfunctions  | 6        | 7   |     | 11       | 0  | 3  | 13       | 0   | 0   |
| F 151               | Review flying schedules  | 29       | 28  |     | 4        | 23 | 37 | 32       | 100 | 20  |
| G 152               | Configure consoles or terminals for secure or nonsecure voice or data communications                   | 26       | 29  |     | 21       | 26 | 26 | 34       | 50  | 0   |
| G 159               | Establish communications links with command centers  | 14       | 32  |     | 21       | 37 | 6  | 30       | 33  | 20  |
| 0257                | 9.2.5. Automatic Link Establishment (ALE)  |          |     |     |          |    |    |          |     |     |
|                     |  |          |     |     |          |    |    |          |     |     |
| 0258                | 9.2.6. Secure telephone equipment (STE)  |          |     |     |          |    |    |          |     |     |
|                     |  |          |     |     |          |    |    |          |     |     |
| E 133               | Identify telephone malfunctions  | 17       | 37  |     | 11       | 26 | 23 | 47       | 17  | 20  |

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|-------------|--|---------------------|-----------------|-----------------|-----------------|
| 0259        | 9.2.7. International Maritime Satellite<br>(INMARSAT)                  | A B -               |                 |                 |                 |
| A 22        | Set up mobile international maritime satellite<br>(INMARSAT) equipment | 12 30               | 25 31           | 3 30            | 0 20            |
| 0260        | 10. MISSION PLANNING   |                     |                 |                 |                 |
| 0261        | 10.1. Purpose  | - - B               |                 |                 |                 |
| 0262        | 10.2. Assess Mission Requirements                                      |                     |                 |                 |                 |
| 0263        | 10.2.1. Existing capabilities  | - - 2b              |                 |                 |                 |
| 0264        | 10.2.2. Resources  | - - 2b              |                 |                 |                 |
| H 203       | Prepare images using communication planning tools                      | 9 2                 | 11 3            | 9 2             | 0 0             |
| I 231       | Request permanent frequency changes                                    | 13 26               | 7 20            | 17 32           | 17 20           |
| 0265        | 10.2.3. Shortfalls   | - - 2b              |                 |                 |                 |
| 0266        | 10.2.4. Capabilities for interoperability                              | - - 2b              |                 |                 |                 |

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0267 10.2.5. Security requirements and vulnerabilities

A 17 Set up controlled safety or security areas

0268 11. EQUIPMENT OPERATIONS (i.e. HF/SAT)

0269 11.1. Configure Equipment

|       |   |    |    |    |    |    |    |    |    |
|-------|---|----|----|----|----|----|----|----|----|
| A 2   | Connect or disconnect antennas to radio equipment   | 65 | 75 | 89 | 77 | 54 | 74 | 17 | 60 |
| A 3   | Connect or disconnect commercial power supplies   | 39 | 46 | 50 | 31 | 34 | 53 | 17 | 80 |
| A 7   | Install grounding systems   | 33 | 60 | 36 | 66 | 34 | 57 | 17 | 40 |
| A 9   | Preset dual-tone multifrequency (DTMF) controlled receivers or transmitters   | 10 | 17 | 18 | 17 | 6  | 19 | 0  | 0  |
| A 12  | Select back-up receivers or transmitters  | 29 | 38 | 43 | 31 | 20 | 47 | 17 | 0  |
| A 14  | Select transmit power   | 33 | 41 | 43 | 37 | 31 | 47 | 0  | 20 |
| A 19  | Set up high frequency (HF), very high frequency (VHF), ultrahigh frequency (UHF), or extremely high frequency (EHF) mobile satellite antennas | 49 | 64 | 61 | 69 | 46 | 66 | 17 | 20 |
| A 23  | Set up mobile HF, VHF, UHF, or EHF satellite transceivers   | 35 | 57 | 43 | 60 | 31 | 60 | 17 | 20 |
| A 26  | Set up radio equipment  | 52 | 74 | 61 | 77 | 51 | 74 | 17 | 40 |
| A 27  | Set up or operate auxiliary generators, such as fixed, mobile, or transportable   | 22 | 51 | 21 | 46 | 23 | 55 | 17 | 40 |
| A 29  | Tune receivers, transceivers, or transmitters   | 46 | 52 | 54 | 49 | 49 | 57 | 0  | 20 |
| A 32  | Verify or load equipment presets  | 36 | 55 | 46 | 49 | 29 | 66 | 33 | 0  |
| B 34  | Change receiver, transceiver, or transmitter frequencies manually or by remote control  | 32 | 55 | 36 | 51 | 34 | 60 | 0  | 40 |
| B 36  | Configure ancillary equipment for operations  | 14 | 33 | 14 | 29 | 17 | 40 | 0  | 0  |
| B 37  | Configure computers for data operations   | 28 | 41 | 39 | 43 | 17 | 40 | 33 | 40 |
| B 38  | Configure consoles for back-to-back operations  | 14 | 5  | 14 | 6  | 14 | 4  | 17 | 0  |
| B 39  | Configure consoles for clear voice operations   | 16 | 16 | 18 | 17 | 14 | 17 | 17 | 0  |
| B 40  | Configure consoles for switchboard dial code operations   | 3  | 1  | 7  | 3  | 0  | 0  | 0  | 0  |
| C 68  | Inspect communications equipment cables or cable connections  | 38 | 57 | 39 | 49 | 37 | 66 | 33 | 40 |
| C 70  | Perform operational checks of ancillary equipment   | 16 | 36 | 11 | 29 | 20 | 45 | 17 | 0  |
| C 71  | Perform operational checks of radio systems   | 42 | 61 | 54 | 66 | 37 | 60 | 17 | 40 |
| E 128 | Identify LMR malfunctions   | 23 | 48 | 25 | 40 | 20 | 57 | 33 | 20 |
| E 129 | Identify LMR repeater malfunctions  | 9  | 34 | 7  | 34 | 11 | 38 | 0  | 0  |
| E 131 | Identify receiver, transceiver, or transmitter malfunctions   | 20 | 45 | 14 | 43 | 29 | 47 | 0  | 40 |

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|----------------------|--|---------------------|-----------------|-----------------|-----------------|
| H 179                | Configure Milstar terminals as antenna, communication,<br>or net control             | 6 6                 | 11 9            | 3 4             | 0 0             |
| H 180                | Configure Milstar terminals as beam management<br>terminals                          | 6 1                 | 11 3            | 3 0             | 0 0             |
| H 181                | Configure Milstar terminals for DAMA operations                                      | 6 3                 | 11 9            | 3 0             | 0 0             |
| H 182                | Establish or modify EHF acquisitions or log on<br>parameters                         | 6 0                 | 11 0            | 3 0             | 0 0             |
| H 183                | Initiate bit procedures or tests   | 12 13               | 14 6            | 11 17           | 0 20            |
| H 184                | Log on or off Milstar networks or satellites   | 6 3                 | 7 6             | 6 2             | 0 0             |
| H 204                | Set up baseband equipment  | 7 5                 | 7 0             | 9 9             | 0 0             |
| 0270                 | 11.2. Antenna Construction   |                     |                 |                 |                 |
| 0271                 | 11.2.1. Siting (e.g. GPS)  |                     |                 |                 |                 |
| A 16                 | Set up antenna masts   | 61 68               | 82 69           | 51 70           | 17 40           |
| A 17                 | Set up controlled safety or security areas   | 35 60               | 36 63           | 29 60           | 67 40           |
| A 28                 | Site radio antennas or equipment   | 45 61               | 57 60           | 43 64           | 0 40            |
| H 196                | Perform Position Lightweight Global Positioning System<br>Receiver (PLGR) procedures | 9 3                 | 14 3            | 6 4             | 0 0             |
| 0272                 | 11.2.2. Assemble antenna mast  |                     |                 |                 |                 |
| A 16                 | Set up antenna masts   | 61 68               | 82 69           | 51 70           | 17 40           |
| 0273                 | 11.2.3. Configure tactical antenna system (i.e. 2b<br>Dipole, slopping Vee)          |                     |                 |                 |                 |
| A 1                  | Connect or disconnect antenna couplers   | 57 72               | 79 69           | 49 74           | 0 80            |
| A 2                  | Connect or disconnect antennas to radio equipment                                    | 65 75               | 89 77           | 54 74           | 17 60           |
| A 6                  | Cut antenna lengths  | 17 41               | 21 37           | 17 47           | 0 20            |
| A 7                  | Install grounding systems  | 33 60               | 36 66           | 34 57           | 17 40           |
| B 59                 | Reconfigure antennas   | 42 52               | 50 51           | 43 53           | 0 40            |
| 0274                 | 11.2.4. Antenna Orientation  |                     |                 |                 |                 |
| A 10                 | Rotate antennas using radio dial codes or azimuth<br>control boxes                   | 14 23               | 29 23           | 6 26            | 0 0             |

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|-------------|--|-----------------|-----------------|---------------|---------------|---------------|---------------|
| A 11        | Select antennas using antenna matrix systems or patch panels   | 7 13            | 11 9            | 3 17          | 17 0          |               |               |
| B 33        | Adjust antenna tuning units  | 25 33           | 36 29           | 20 40         | 0 0           |               |               |
| 0275        | 11.3. M/Hop Operations   |                 |                 |               |               |               |               |
|             | A - -  |                 |                 |               |               |               |               |
| B 50        | Configure terminals for multiple-hop operations  | 10 16           | 18 17           | 3 17          | 17 0          |               |               |
| 0276        | 11.4. Configure Equipment for Phone Patching   |                 |                 |               |               |               |               |
| A 24        | Set up patch panels  | 9 6             | 18 3            | 3 9           | 0 0           |               |               |
| A 25        | Set up phone patch equipment   | 17 16           | 18 6            | 20 26         | 0 0           |               |               |
| B 42        | Configure consoles or terminals for phone patch operations   | 9 9             | 14 6            | 6 13          | 0 0           |               |               |
| B 55        | Configure transceivers for phone patch operations  | 13 16           | 7 6             | 20 26         | 0 0           |               |               |
| B 58        | Configure transportable switchboard or telephone equipment for phone patch, secure voice data, or switchboard dial code operations | 9 10            | 11 11           | 9 11          | 0 0           |               |               |
| 0277        | 11.4.1. Manual   |                 |                 |               |               |               |               |
|             | 2b - -   |                 |                 |               |               |               |               |
| D 85        | Conduct phone patches automatically or manually  | 19 16           | 11 6            | 26 26         | 17 0          |               |               |
| 0278        | 11.4.2. Voice Operated Transmitter (VOX)   |                 |                 |               |               |               |               |
|             | 2b - -   |                 |                 |               |               |               |               |
| D 85        | Conduct phone patches automatically or manually  | 19 16           | 11 6            | 26 26         | 17 0          |               |               |
| 0279        | 11.5. Monitor Frequencies/Circuits   |                 |                 |               |               |               |               |
|             | 2b - -   |                 |                 |               |               |               |               |
| D 85        | Conduct phone patches automatically or manually  | 19 16           | 11 6            | 26 26         | 17 0          |               |               |
| I 226       | Monitor frequencies for interference among users   | 14 30           | 18 31           | 11 30         | 17 20         |               |               |
| 0280        | 11.6. Computer Familiarization   |                 |                 |               |               |               |               |



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|-------|-----------|-------|--|---------------------|----------|----------|----------|----------|----------|
| 0281  | 11.6.1.   |       | Use Windows                                |                     | 5        | 5        | 7        | 7        | 9        |
| 0282  | 11.6.2.   |       | Use Microsoft Word                         |                     |          |          |          |          |          |
| 0283  | 11.6.3.   |       | Input and output devices                   |                     |          |          |          |          |          |
| 0284  | 11.6.3.1. |       | Use printers                               |                     |          |          |          |          |          |
| B 46  |           |       | Configure line printers                    | 12                  | 32       | 7        | 29       | 11       | 38       |
| C 61  |           |       | Change paper in high-speed printers        | 36                  | 46       | 25       | 49       | 43       | 43       |
| C 64  |           |       | Clean printers                             | 26                  | 40       | 25       | 31       | 17       | 47       |
| E 127 |           |       | Identify line printer malfunctions         | 16                  | 33       | 14       | 29       | 14       | 36       |
| 0285  | 11.6.3.2. |       | Use monitors                               |                     |          |          |          |          |          |
| 0286  | 11.6.3.3. |       | Use keyboard                               |                     |          |          |          |          |          |
| 0287  | 11.6.3.4. |       | Use mouse                                  |                     |          |          |          |          |          |
| 0288  | 11.6.3.5. |       | Modem                                      |                     |          |          |          |          |          |
| G 153 |           |       | Configure modems for narrowband operations | 10                  | 14       | 11       | 14       | 11       | 15       |

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| 0289        | 11.6.3.6. Fax   |                     |                 |                 |                 |
| A 18        | Set up facsimile transmission equipment   | 20 38               | 11 37           | 23 40           | 50 20           |
| B 44        | Configure facsimile equipment   | 13 32               | 7 31            | 14 34           | 33 20           |
| C 63        | Clean facsimile equipment   | 14 26               | 11 23           | 11 28           | 50 40           |
| E 124       | Identify facsimile equipment malfunctions   | 16 30               | 11 31           | 17 30           | 33 20           |
| 0290        | 11.6.4. Electronic mail (e-mail)  |                     |                 |                 |                 |
| 0291        | 12. NETWORKS  |                     |                 |                 |                 |
| 0292        | 12.1. Fundamentals  |                     |                 |                 |                 |
| 0293        | 12.2. Types   |                     |                 |                 |                 |
| 0294        | 12.2.1. NIPERNET  |                     |                 |                 |                 |
| I 208       | Brief personnel on Non-secure Internet Protocol<br>Routing Network (NIPRNET) or Secure Internet Protocol<br>Routing Network (SIPRNET) usage | 17 18               | 0 9             | 26 28           | 50 0            |
| 0295        | 12.2.2. SIPERNET  |                     |                 |                 |                 |
| I 208       | Brief personnel on Non-secure Internet Protocol<br>Routing Network (NIPRNET) or Secure Internet Protocol<br>Routing Network (SIPRNET) usage | 17 18               | 0 9             | 26 28           | 50 0            |

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|             |  | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 | ANG AFRC<br>7 | ANG AFRC<br>9 | ANG AFRC<br>7 | ANG AFRC<br>9 | ANG AFRC<br>9 | ANG AFRC<br>9 | ANG AFRC<br>9 | ANG AFRC<br>9 |
| 0296        | 12.2.3. Radio net  |                     |               |               |               |               |               |               |               |               |               |
|             |  |                     |               |               |               |               |               |               |               |               |               |
| A 20        | Set up land mobile radio (LMR) networks                                | 19 45               | 25 49         | 17 47         | 0 0           |               |               |               |               |               |               |
| A 21        | Set up LMR repeater networks   | 10 33               | 21 31         | 3 38          | 0 0           |               |               |               |               |               |               |
| A 31        | Verify radio nets for tactical or nontactical radios                   | 26 52               | 25 54         | 29 55         | 17 0          |               |               |               |               |               |               |
| D 98        | Perform contingency alternate routing procedures                       | 10 15               | 7 9           | 14 21         | 0 0           |               |               |               |               |               |               |
| G 177       | Transfer computer data using secure voice communications networks      | 16 32               | 25 29         | 11 38         | 0 0           |               |               |               |               |               |               |
| H 184       | Log on or off Milstar networks or satellites                           | 6 3                 | 7 6           | 6 2           | 0 0           |               |               |               |               |               |               |
| 0297        | 12.2.4. Demand Assigned Multiple Access (DAMA)                         |                     |               |               |               |               |               |               |               |               |               |
|             |  |                     |               |               |               |               |               |               |               |               |               |
| B 47        | Configure radios for demand assigned multiple access (DAMA) operations | 20 40               | 18 37         | 26 45         | 0 20          |               |               |               |               |               |               |
| H 181       | Configure Milstar terminals for DAMA operations                        | 6 3                 | 11 9          | 3 0           | 0 0           |               |               |               |               |               |               |
| H 188       | Perform DAMA procedures  | 25 24               | 29 23         | 26 28         | 0 0           |               |               |               |               |               |               |
| 0298        | 13. WORKCENTER MANAGEMENT  |                     |               |               |               |               |               |               |               |               |               |
|             |  |                     |               |               |               |               |               |               |               |               |               |
| 0299        | 13.1. Manpower   |                     |               |               |               |               |               |               |               |               |               |
|             |  |                     |               |               |               |               |               |               |               |               |               |
| 0300        | 13.2. Manpower Requirements Qualification                              |                     |               |               |               |               |               |               |               |               |               |
|             |  |                     |               |               |               |               |               |               |               |               |               |
| 0301        | 13.3. Financial Resources  |                     |               |               |               |               |               |               |               |               |               |
|             |  |                     |               |               |               |               |               |               |               |               |               |
| 0302        | 14. COMBAT CREW COMMUNICATIONS   |                     |               |               |               |               |               |               |               |               |               |

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0303 14.1. Single Integrated Operations Plan (SIOP)

0304 14.1.1. Define SIOP

A A -

0305 14.2. Recognize Communication Kits

0306 14.2.1. SIOP

A B -

|       |  |    |    |    |    |    |    |     |    |
|-------|--|----|----|----|----|----|----|-----|----|
| F 135 | Assemble, issue, retrieve, or break down daily training communication kits                           | 39 | 43 | 14 | 46 | 49 | 40 | 100 | 40 |
| F 136 | Assemble, issue, retrieve, or break down exercise or contingency conventional communication kits     | 35 | 40 | 11 | 37 | 43 | 40 | 100 | 60 |
| F 137 | Assemble, issue, retrieve, or break down single integrated operations plan (SIOP) communication kits | 35 | 26 | 7  | 23 | 46 | 30 | 100 | 20 |
| F 138 | Assemble, issue, retrieve, or update flight information publication (FLIP) bags                      | 23 | 29 | 7  | 26 | 29 | 32 | 67  | 20 |

0307 14.2.2. Exercise

A B -

|       |  |    |    |    |    |    |    |     |    |
|-------|--|----|----|----|----|----|----|-----|----|
| F 135 | Assemble, issue, retrieve, or break down daily training communication kits                       | 39 | 43 | 14 | 46 | 49 | 40 | 100 | 40 |
| F 136 | Assemble, issue, retrieve, or break down exercise or contingency conventional communication kits | 35 | 40 | 11 | 37 | 43 | 40 | 100 | 60 |
| F 138 | Assemble, issue, retrieve, or update flight information publication (FLIP) bags                  | 23 | 29 | 7  | 26 | 29 | 32 | 67  | 20 |
| F 141 | Conduct exercise or contingency briefings or debriefings   | 26 | 31 | 7  | 20 | 29 | 36 | 100 | 60 |

0308 14.2.3. Contingency

A B -

|       |  |    |    |    |    |    |    |     |    |
|-------|--|----|----|----|----|----|----|-----|----|
| F 135 | Assemble, issue, retrieve, or break down daily training communication kits                       | 39 | 43 | 14 | 46 | 49 | 40 | 100 | 40 |
| F 136 | Assemble, issue, retrieve, or break down exercise or contingency conventional communication kits | 35 | 40 | 11 | 37 | 43 | 40 | 100 | 60 |

| D<br>T<br>Y | Task<br>Nbr | Task Title   | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 5 | ANG AFRC<br>7 7 | ANG AFRC<br>29 29 | ANG AFRC<br>32 32 | ANG AFRC<br>67 67 | ANG AFRC<br>100 100 |
|-------------|-------------|--|---------------------|-----------------|-----------------|-------------------|-------------------|-------------------|---------------------|
|             |             |  |                     |                 |                 |                   |                   |                   |                     |
| F 138       |             | Assemble, issue, retrieve, or update flight information publication (FLIP) bags                    | 23 29               | 7 26            | 29 32           | 67 20             |                   |                   |                     |
| F 141       |             | Conduct exercise or contingency briefings or debriefings   | 26 31               | 7 20            | 29 36           | 100 60            |                   |                   |                     |
| 0309        | 14.3.       | Recognize Channelization Plan  | A                   | B               | -               |                   |                   |                   |                     |
| 0310        | 14.4.       | Describe Identification Friend or Foe (IFF)/Selective Identification Feature (SIF)                 | A                   | B               | -               |                   |                   |                   |                     |
| F 142       |             | Conduct STOP or safe passage communications training   | 30 25               | 7 17            | 37 32           | 100 20            |                   |                   |                     |
| F 147       |             | Issue, load, or retrieve cryptographic equipment   | 48 45               | 14 43           | 69 45           | 83 60             |                   |                   |                     |
| F 148       |             | Issue or retrieve Identification Friend or Foe (IFF) or Special Identification Feature (SIF) codes | 30 24               | 4 23            | 43 26           | 83 20             |                   |                   |                     |
| 0311        | 14.5.       | Strategic Aircraft Reconstitution Team (SART)  |                     |                 |                 |                   |                   |                   |                     |
| 0312        | 14.5.1.     | Define Bomber SART (B-SART)  | A                   | -               | -               |                   |                   |                   |                     |
| 0313        | 14.5.2.     | Define Reconnaissance Support Team (R-SART)  | A                   | -               | -               |                   |                   |                   |                     |
| 0314        | 14.5.3.     | Define Tanker SART (T-SART)  | A                   | -               | -               |                   |                   |                   |                     |
| 0315        | 14.6.       | Define POLO HAT  | A                   | -               | -               |                   |                   |                   |                     |

| D<br>T<br>Y | Task Title   | A - -               |               |               |               |               |               |               |               |               |               |
|-------------|--|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|             |  | ANG AFRC<br>TOT TOT | ANG AFRC<br>5 | ANG AFRC<br>5 | ANG AFRC<br>7 | ANG AFRC<br>7 | ANG AFRC<br>9 | ANG AFRC<br>9 | ANG AFRC<br>9 | ANG AFRC<br>9 | ANG AFRC<br>9 |
| 0316        | 14.7. Define Combat Mission Folder (CMF)                                       |                     |               |               |               |               |               |               |               |               |               |
| F 143       | Construct or maintain combat mission folders (CMFs)                            | 26 22               | 7             | 17            | 31            | 26            | 83            | 20            |               |               |               |
| 0317        | 14.8. Describe Aircraft Generation   |                     |               |               |               |               |               |               |               |               |               |
|             |  |                     |               |               |               |               |               |               |               |               |               |
| 0318        | 14.9. Define DEFCONS   |                     |               |               |               |               |               |               |               |               |               |
|             |  |                     |               |               |               |               |               |               |               |               |               |
| 0319        | Tasks not referenced   |                     |               |               |               |               |               |               |               |               |               |
| B 52        | Configure transceivers for back-to-back operations                             | 9 5                 | 7             | 9             | 11            | 2             | 0             | 0             |               |               |               |
| B 53        | Configure transceivers for clear or secure voice operations                    | 30 43               | 32            | 37            | 26            | 51            | 50            | 0             |               |               |               |
| B 57        | Configure transceivers for switchboard dial code operations                    | 1 1                 | 4             | 3             | 0             | 0             | 0             | 0             |               |               |               |
| C 65        | Clean radio equipment filters  | 20 43               | 21            | 29            | 23            | 53            | 0             | 40            |               |               |               |
| C 74        | Replace radio system components, such as bulbs or fuses                        | 19 46               | 14            | 34            | 23            | 55            | 17            | 40            |               |               |               |
| E 119       | Identify computer equipment malfunctions                                       | 38 45               | 32            | 40            | 43            | 49            | 33            | 40            |               |               |               |
| E 125       | Identify fixed, mobile, or transportable generator malfunctions                | 13 39               | 14            | 34            | 14            | 43            | 0             | 40            |               |               |               |
| I 217       | Initiate requests for temporary duty (TDY) orders                              | 23 39               | 11            | 31            | 26            | 45            | 67            | 40            |               |               |               |
| I 225       | Maintain or update status indicators, such as boards, graphs, or charts        | 19 24               | 4             | 11            | 23            | 34            | 67            | 20            |               |               |               |
| J 245       | Coordinate maintenance of equipment with appropriate agencies                  | 33 33               | 18            | 23            | 40            | 40            | 67            | 40            |               |               |               |
| J 246       | Develop equipment checklists   | 39 46               | 29            | 34            | 40            | 57            | 83            | 20            |               |               |               |
| J 247       | Evaluate serviceability of equipment, tools, parts, or supplies                | 28 49               | 21            | 43            | 29            | 55            | 50            | 40            |               |               |               |
| J 248       | Identify and report equipment or supply problems                               | 42 54               | 29            | 43            | 49            | 64            | 67            | 40            |               |               |               |
| J 249       | Initiate requisitions for equipment, tools, parts, or supplies                 | 28 38               | 14            | 29            | 31            | 43            | 67            | 60            |               |               |               |
| J 250       | Inventory equipment, tools, parts, or supplies                                 | 49 55               | 39            | 46            | 51            | 64            | 83            | 40            |               |               |               |
| J 251       | Issue or log turn-ins of equipment, tools, parts, or supplies                  | 25 38               | 14            | 34            | 31            | 38            | 33            | 60            |               |               |               |
| J 252       | Maintain documentation on items requiring periodic inspections or calibrations | 19 33               | 11            | 31            | 20            | 36            | 50            | 20            |               |               |               |
| J 253       | Maintain organizational equipment or supply records                            | 16 36               | 11            | 31            | 14            | 40            | 50            | 20            |               |               |               |

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|---|-----|---|---------------------|-----------------|-----------------|-----------------|
| J | 254 | Pick up, deliver, or store equipment, tools, parts, or supplies                                       | 25 46               | 21 40           | 23 51           | 50 40           |
| J | 255 | Research supply requisition data, such as supply catalogs or master cross-reference listings (MCRRLs) | 9 15                | 7 3             | 6 23            | 33 20           |
| J | 256 | Validate supply transaction listings or rosters, such as D-04, D-18, or M-30                          | 4 7                 | 4 3             | 3 9             | 17 20           |
| K | 257 | Assign personnel to mobility or contingency positions   | 10 16               | 7 3             | 6 23            | 50 40           |
| K | 258 | Brief deploying personnel   | 30 37               | 11 20           | 37 49           | 83 40           |
| K | 259 | Complete hazardous cargo shipping documents   | 17 29               | 11 23           | 20 30           | 33 60           |
| K | 260 | Complete operations plan (OPLAN) sourcing requirements  | 17 15               | 11 9            | 14 19           | 67 20           |
| K | 261 | Compute OPLAN requirements status listings  | 10 13               | 0 6             | 9 17            | 67 20           |
| K | 262 | Conduct contingency operation/mobility planning and execution system (COMPES) programs                | 7 10                | 0 3             | 6 17            | 50 0            |
| K | 263 | Conduct mobility or deployment site surveys   | 14 32               | 4 23            | 17 40           | 50 20           |
| K | 264 | Coordinate deployment of personnel with other MAJCOMS or joint service commands                       | 9 10                | 4 3             | 6 17            | 50 0            |
| K | 265 | Coordinate exercise sourcing requirements with functional managers                                    | 7 14                | 4 9             | 3 19            | 50 0            |
| K | 266 | Coordinate mobility or contingency requirements with appropriate agencies                             | 9 15                | 4 9             | 6 19            | 50 20           |
| K | 267 | Coordinate specific source of personnel requirements with appropriate agencies                        | 9 16                | 7 11            | 3 21            | 50 0            |
| K | 268 | Determine cost factors for support agreements   | 3 6                 | 4 0             | 3 11            | 0 0             |
| K | 269 | Determine specific source of personnel requirements for deployment manning documents                  | 4 8                 | 4 6             | 3 11            | 17 0            |
| K | 270 | Develop contingency exercise mobility (CEM) orders  | 4 7                 | 4 0             | 6 13            | 0 0             |
| K | 271 | Develop mobility inspection checklists  | 17 28               | 14 14           | 14 36           | 50 40           |
| K | 272 | Dispatch mobile radio units   | 6 26                | 4 20            | 6 32            | 17 20           |
| K | 273 | Don or doff chemical warfare personal protective clothing   | 52 63               | 14 46           | 74 77           | 100 60          |
| K | 274 | Erect tents   | 38 61               | 32 49           | 46 70           | 17 60           |
| K | 275 | Inspect mobility bags or kits   | 57 55               | 39 43           | 69 62           | 67 80           |
| K | 276 | Inspect packed or palletized mobility or contingency equipment prior to transport                     | 30 41               | 11 23           | 49 49           | 17 100          |
| K | 277 | Maintain accountability of personnel selected to fill OPLAN requirements                              | 17 16               | 4 6             | 23 23           | 50 20           |
| K | 278 | Maintain base OPLAN files   | 12 15               | 4 9             | 11 19           | 50 20           |
| K | 279 | Maintain disaster preparedness checklists   | 20 22               | 11 20           | 20 23           | 67 20           |
| K | 280 | Pack or palletize mobility or contingency equipment for shipment or movement                          | 29 46               | 11 29           | 43 55           | 33 80           |
| K | 281 | Perform camouflage procedures   | 32 53               | 18 46           | 46 60           | 17 40           |
| K | 282 | Perform chemical warfare agent decontamination procedures   | 36 56               | 18 49           | 49 64           | 50 40           |
| K | 283 | Perform disease or pestilence countermeasures   | 17 30               | 11 34           | 23 30           | 17 0            |
| K | 284 | Perform explosive ordnance reconnaissance   | 16 43               | 7 31            | 17 53           | 50 20           |
| K | 285 | Perform plans file and mobility file matches  | 6 14                | 4 11            | 3 17            | 33 0            |
| K | 286 | Perform predeployment reconnaissance surveys  | 7 15                | 4 6             | 3 21            | 50 20           |
| K | 287 | Perform safety measures by marking radiation hazards or antenna systems                               | 23 46               | 18 40           | 29 51           | 17 40           |
| K | 288 | Perform or set up site security   | 23 48               | 21 46           | 20 53           | 50 20           |

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|             |             |   |                     | 5        | 5  | 7  | 7        | 7   | 9  | 9        | 9 | 9 |
| K           | 289         | Prepare equipment for deployments   | 46 64               | 25       | 57 | 54 | 70       | 100 | 60 |          |   |   |
| K           | 290         | Prepare hazardous cargo for deployment  | 26 34               | 18       | 23 | 29 | 40       | 50  | 60 |          |   |   |
| K           | 291         | Prepare sites at deployed locations, such as cutting<br>grass or removing snow  | 14 26               | 14       | 26 | 11 | 28       | 33  | 20 |          |   |   |
| K           | 292         | Process classified or COMSEC materials or documents at<br>deployed locations  | 54 62               | 21       | 51 | 71 | 70       | 100 | 60 |          |   |   |
| K           | 293         | Request or distribute mobility requirements documents   | 14 16               | 11       | 11 | 9  | 19       | 67  | 20 |          |   |   |
| K           | 294         | Set up or tear down shelters  | 30 47               | 21       | 40 | 40 | 55       | 17  | 20 |          |   |   |
| K           | 295         | Tear down, inspect, clean, and reassemble weapons,<br>such as M-16 rifles   | 45 60               | 36       | 46 | 51 | 72       | 50  | 40 |          |   |   |
| L           | 296         | Administer or score tests   | 19 24               | 4        | 6  | 26 | 36       | 50  | 40 |          |   |   |
| L           | 297         | Brief personnel concerning training programs or<br>matters  | 33 40               | 7        | 17 | 49 | 57       | 67  | 40 |          |   |   |
| L           | 298         | Complete student entry or withdrawal forms  | 12 14               | 4        | 3  | 17 | 21       | 17  | 20 |          |   |   |
| L           | 299         | Conduct formal course classroom training  | 19 26               | 7        | 17 | 23 | 32       | 50  | 40 |          |   |   |
| L           | 307         | Establish or maintain study reference files   | 23 22               | 14       | 6  | 23 | 32       | 67  | 40 |          |   |   |
| L           | 313         | Personalize lesson plans  | 23 28               | 0        | 11 | 31 | 34       | 83  | 80 |          |   |   |
| L           | 315         | Write training reports  | 17 21               | 11       | 3  | 17 | 30       | 50  | 60 |          |   |   |
| M           | 316         | Annotate time and attendance sheets for civilian<br>employees   | 10 8                | 7        | 0  | 9  | 15       | 33  | 0  |          |   |   |
| M           | 317         | Assign personnel to work areas or duty positions  | 14 30               | 0        | 9  | 23 | 45       | 33  | 40 |          |   |   |
| M           | 318         | Assign sponsors for newly assigned personnel  | 14 17               | 4        | 3  | 20 | 30       | 33  | 0  |          |   |   |
| M           | 319         | Conduct general meetings, such as staff meetings,<br>briefings, conferences, or workshops                               | 25 30               | 7        | 20 | 31 | 36       | 67  | 40 |          |   |   |
| M           | 320         | Conduct safety inspections of equipment or facilities   | 16 30               | 7        | 17 | 23 | 40       | 17  | 20 |          |   |   |
| M           | 321         | Conduct self-inspections or self-assessments  | 32 38               | 18       | 26 | 34 | 49       | 83  | 20 |          |   |   |
| M           | 322         | Conduct staff assistance visits, inspections, or<br>audits  | 14 13               | 7        | 3  | 14 | 19       | 50  | 20 |          |   |   |
| M           | 323         | Conduct supervisory orientations for newly assigned<br>personnel  | 22 30               | 7        | 6  | 29 | 49       | 50  | 20 |          |   |   |
| M           | 324         | Conduct supervisory performance feedback sessions   | 19 28               | 7        | 6  | 23 | 45       | 50  | 20 |          |   |   |
| M           | 325         | Counsel subordinates concerning personal matters  | 29 25               | 7        | 6  | 43 | 40       | 50  | 20 |          |   |   |
| M           | 326         | Determine or establish logistics requirements, such as<br>personnel, equipment, tools, parts, supplies, or<br>workspace | 22 26               | 7        | 23 | 26 | 30       | 67  | 20 |          |   |   |
| M           | 327         | Determine or establish work assignments or priorities   | 22 31               | 4        | 14 | 23 | 43       | 100 | 40 |          |   |   |
| M           | 328         | Develop inputs to mobility, contingency, disaster<br>preparedness, or unit emergency or alert plans                     | 19 18               | 7        | 11 | 20 | 23       | 67  | 20 |          |   |   |
| M           | 329         | Develop organizational or functional charts   | 13 11               | 7        | 0  | 11 | 19       | 50  | 20 |          |   |   |
| M           | 330         | Develop resource protection programs  | 6 13                | 0        | 3  | 3  | 19       | 50  | 20 |          |   |   |
| M           | 331         | Develop self-inspection or self-assessment program<br>checklists  | 16 15               | 4        | 3  | 17 | 23       | 67  | 20 |          |   |   |
| M           | 332         | Develop or establish work methods, procedures or<br>schedules   | 29 22               | 14       | 6  | 29 | 32       | 100 | 40 |          |   |   |
| M           | 333         | Direct operations of field or ground radio stations   | 14 29               | 11       | 20 | 17 | 34       | 17  | 40 |          |   |   |
| M           | 334         | Draft budget requirements   | 7 9                 | 4        | 0  | 3  | 15       | 50  | 20 |          |   |   |
| M           | 335         | Draft host-tenant or interservice agreements  | 7 6                 | 7        | 0  | 6  | 11       | 17  | 0  |          |   |   |
| M           | 336         | Draft supplements or changes to communications<br>publications  | 7 6                 | 4        | 0  | 9  | 11       | 17  | 0  |          |   |   |



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|             |   |                     | 5        | 5  | 7  | 7        | 7   | 7  | 9        | 9 | 9 |
| M 337       | Draft supplements or changes to directives, such as policy directives, instructions, or manuals, other than communications publications | 10 6                | 7        | 0  | 11 | 11       | 17  | 0  |          |   |   |
| M 338       | Establish COMSEC subaccounts  | 14 15               | 11       | 6  | 14 | 23       | 33  | 0  |          |   |   |
| M 339       | Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)                         | 25 21               | 7        | 6  | 26 | 30       | 100 | 40 |          |   |   |
| M 340       | Establish performance standards for subordinates  | 23 20               | 7        | 9  | 26 | 28       | 83  | 20 |          |   |   |
| M 341       | Evaluate communications operations  | 28 29               | 18       | 23 | 34 | 36       | 33  | 0  |          |   |   |
| M 342       | Evaluate inspection report findings or inspection procedures  | 17 20               | 7        | 9  | 17 | 30       | 67  | 0  |          |   |   |
| M 343       | Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program  | 22 25               | 4        | 17 | 26 | 32       | 83  | 20 |          |   |   |
| M 344       | Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace  | 22 18               | 11       | 9  | 23 | 28       | 67  | 0  |          |   |   |
| M 345       | Evaluate modified, new, or prototype equipment  | 16 16               | 7        | 11 | 14 | 21       | 67  | 0  |          |   |   |
| M 346       | Evaluate personnel for compliance with performance standards  | 28 21               | 14       | 9  | 29 | 30       | 83  | 20 |          |   |   |
| M 347       | Evaluate personnel for promotion, demotion, reclassification, or special awards   | 28 24               | 11       | 3  | 31 | 40       | 83  | 20 |          |   |   |
| M 348       | Implement safety or security programs   | 20 23               | 7        | 11 | 23 | 32       | 67  | 20 |          |   |   |
| M 349       | Implement status of resources and training system (SORTS) programs  | 4 6                 | 4        | 0  | 3  | 11       | 17  | 0  |          |   |   |
| M 350       | Initiate actions required due to substandard performance of personnel   | 19 15               | 4        | 3  | 26 | 21       | 50  | 40 |          |   |   |
| M 351       | Initiate personnel action requests  | 17 15               | 4        | 3  | 20 | 21       | 67  | 40 |          |   |   |
| M 352       | Inspect personnel for compliance with military standards  | 33 25               | 7        | 9  | 46 | 36       | 83  | 40 |          |   |   |
| M 353       | Interpret policies, directives, or procedures for subordinates  | 29 24               | 4        | 11 | 40 | 34       | 83  | 20 |          |   |   |
| M 354       | Investigate accidents or incidents  | 12 17               | 4        | 9  | 9  | 23       | 67  | 20 |          |   |   |
| M 355       | Perform as liaison to communications centers or spectrum managers for spectrum interference actions                                     | 9 14                | 4        | 9  | 9  | 17       | 33  | 20 |          |   |   |
| M 356       | Plan communications support for exercises or special missions   | 19 24               | 7        | 9  | 17 | 36       | 83  | 20 |          |   |   |
| M 357       | Plan equipment replacement programs   | 9 14                | 4        | 3  | 9  | 21       | 33  | 20 |          |   |   |
| M 358       | Plan layouts of facilities  | 10 14               | 4        | 3  | 9  | 21       | 50  | 20 |          |   |   |
| M 359       | Plan personnel or equipment deployments   | 13 18               | 0        | 3  | 14 | 30       | 67  | 20 |          |   |   |
| M 360       | Review budget requirements  | 9 8                 | 7        | 0  | 0  | 13       | 67  | 20 |          |   |   |
| M 361       | Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals                              | 14 11               | 4        | 9  | 14 | 13       | 67  | 20 |          |   |   |
| M 362       | Review mobility, contingency, disaster preparedness, or unit emergency or alert plans   | 16 18               | 4        | 17 | 14 | 21       | 83  | 0  |          |   |   |
| M 363       | Schedule personnel for TDY assignments, leaves, or passes   | 19 15               | 7        | 0  | 17 | 26       | 83  | 20 |          |   |   |
| M 364       | Write inspection reports  | 6 10                | 4        | 0  | 3  | 17       | 33  | 20 |          |   |   |
| M 365       | Write job or position descriptions  | 17 15               | 7        | 6  | 17 | 21       | 67  | 20 |          |   |   |
| M 366       | Write or indorse civilian performance appraisals  | 1 9                 | 0        | 0  | 0  | 15       | 17  | 20 |          |   |   |
| M 367       | Write or indorse military performance reports   | 14 28               | 4        | 6  | 14 | 38       | 67  | 80 |          |   |   |
| M 368       | Write recommendations for awards or decorations   | 26 28               | 11       | 3  | 31 | 43       | 67  | 60 |          |   |   |

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Task Title

M 369 Write replies to inspection reports  
M 370 Write staff studies, surveys, or routine reports,  
other than training or inspection reports

| ANG AFRC<br>TOT TOT | ANG AFRC | ANG AFRC | ANG AFRC | ANG AFRC | ANG AFRC |
|---------------------|----------|----------|----------|----------|----------|
| 14 18               | 7 3      | 9 30     | 83 20    |          |          |
| 7 10                | 4 3      | 6 15     | 33 20    |          |          |

Radio Communications Systems  
 Reported AFSC(s): 3C1X1

----- Variable/Group Distributions -----

The percent of reported group members who use, maintain or operate various types of equipment are presented under the column headings for the appropriate group. This percent using, maintaining, or operating equipment may be valuable in determining the relevancy of training and testing on or about these types of equipment.

Reports on the following groups were requested:

gp0012: All Air Guard Airmen with DAFSC 3C1X1 (n = 69)  
 gp0013: All Air Guard Airmen with DAFSC 3C151 (n = 28)  
 gp0014: All Air Guard Airmen with DAFSC 3C171 (n = 35)  
 gp0015: All Air Guard Airmen with DAFSC 3C191 (n = 6)

V0102 Fixed communication sys use/oper - None

| Interval Percentages | ANG          |        |        |        |
|----------------------|--------------|--------|--------|--------|
|                      | TOTAL SAMPLE | 5-LVL  | 7-LVL  | 9-LVL  |
|                      | gp0012       | gp0013 | gp0014 | gp0015 |
| Yes                  | 64 %         | 39 %   | 80 %   | 83 %   |
| Other:               | 36 %         | 61 %   | 20 %   | 17 %   |
| Total in group:      | 69*          | 28*    | 35*    | 6*     |

V0103 Fixed communication sys use/oper - AFSATCOM

| Interval Percentages | ANG          |        |        |        |
|----------------------|--------------|--------|--------|--------|
|                      | TOTAL SAMPLE | 5-LVL  | 7-LVL  | 9-LVL  |
|                      | gp0012       | gp0013 | gp0014 | gp0015 |
| Yes                  | 4 %          | 11 %   | 0 %    | 0 %    |
| Other:               | 96 %         | 89 %   | 100 %  | 100 %  |
| Total in group:      | 69*          | 28*    | 35*    | 6*     |

V0104 Fixed communication sys use/oper - Global HF Systems

| ANG                  |        |        |        |  |
|----------------------|--------|--------|--------|--|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |  |
| SAMPLE               |        |        |        |  |
| gp0012               | gp0013 | gp0014 | gp0015 |  |
| Interval Percentages |        |        |        |  |
| Yes                  | 10 %   | 6 %    | 0 %    |  |
| Other:               | 90 %   | 94 %   | 100 %  |  |
| Total in group:      | 69*    | 35*    | 6*     |  |

V0105 Fixed communication sys use/oper - Global Weather Intercept Program (GWIP)

| ANG                  |        |        |        |  |
|----------------------|--------|--------|--------|--|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |  |
| SAMPLE               |        |        |        |  |
| gp0012               | gp0013 | gp0014 | gp0015 |  |
| Interval Percentages |        |        |        |  |
| Yes                  | 0 %    | 0 %    | 0 %    |  |
| Other:               | 100 %  | 100 %  | 100 %  |  |
| Total in group:      | 69*    | 35*    | 6*     |  |

V0106 Fixed communication sys use/oper - Milstar

| ANG                  |        |        |        |  |
|----------------------|--------|--------|--------|--|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |  |
| SAMPLE               |        |        |        |  |
| gp0012               | gp0013 | gp0014 | gp0015 |  |
| Interval Percentages |        |        |        |  |
| Yes                  | 0 %    | 0 %    | 0 %    |  |
| Other:               | 100 %  | 100 %  | 100 %  |  |
| Total in group:      | 69*    | 35*    | 6*     |  |

V0107 Fixed communication sys use/oper - SITFAA

| ANG                  |        |        |        |  |
|----------------------|--------|--------|--------|--|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |  |
| SAMPLE               |        |        |        |  |
| gp0012               | gp0013 | gp0014 | gp0015 |  |
| Interval Percentages |        |        |        |  |
| Yes                  | 0 %    | 0 %    | 0 %    |  |
| Other:               | 100 %  | 100 %  | 100 %  |  |
| Total in group:      | 69*    | 35*    | 6*     |  |

V0108 Fixed communication sys use/oper - Other

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 17 % | 32 %   | 6 %    | 17 %   |
| Other:               | 83 % | 68 %   | 94 %   | 83 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0109 Deployable communications systems use/operate - None

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 29 % | 7 %    | 40 %   | 67 %   |
| Other:               | 71 % | 93 %   | 60 %   | 33 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0110 Deployable communications systems use/operate - AFSATCOM

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 17 % | 18 %   | 20 %   | 0 %    |
| Other:               | 83 % | 82 %   | 80 %   | 100 %  |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0111 Deployable communications systems use/operate - HF Mobile Systems

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 36 % | 39 %   | 40 %   | 0 %    |
| Other:               | 64 % | 61 %   | 60 %   | 100 %  |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0112 Deployable communications systems use/operate - Milstar

|                      |        |        |        |        |
|----------------------|--------|--------|--------|--------|
|                      | ANG    | 5-LVL  | 7-LVL  | 9-LVL  |
| Interval Percentages | TOTAL  |        |        |        |
|                      | SAMPLE |        |        |        |
|                      | gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 1 %    | 4 %    | 0 %    | 0 %    |
| Other:               | 99 %   | 96 %   | 100 %  | 100 %  |
| Total in group:      | 69*    | 28*    | 35*    | 6*     |

V0113 Deployable communications systems use/operate - MICK/WICP

|                      |        |        |        |        |
|----------------------|--------|--------|--------|--------|
|                      | ANG    | 5-LVL  | 7-LVL  | 9-LVL  |
| Interval Percentages | TOTAL  |        |        |        |
|                      | SAMPLE |        |        |        |
|                      | gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 0 %    | 0 %    | 0 %    | 0 %    |
| Other:               | 100 %  | 100 %  | 100 %  | 100 %  |
| Total in group:      | 69*    | 28*    | 35*    | 6*     |

V0114 Deployable communications systems use/operate - Mystic Star

|                      |        |        |        |        |
|----------------------|--------|--------|--------|--------|
|                      | ANG    | 5-LVL  | 7-LVL  | 9-LVL  |
| Interval Percentages | TOTAL  |        |        |        |
|                      | SAMPLE |        |        |        |
|                      | gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 0 %    | 0 %    | 0 %    | 0 %    |
| Other:               | 100 %  | 100 %  | 100 %  | 100 %  |
| Total in group:      | 69*    | 28*    | 35*    | 6*     |

V0115 Deployable communications systems use/operate - Special Operations

|                      |        |        |        |        |
|----------------------|--------|--------|--------|--------|
|                      | ANG    | 5-LVL  | 7-LVL  | 9-LVL  |
| Interval Percentages | TOTAL  |        |        |        |
|                      | SAMPLE |        |        |        |
|                      | gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 9 %    | 7 %    | 11 %   | 0 %    |
| Other:               | 91 %   | 93 %   | 89 %   | 100 %  |
| Total in group:      | 69*    | 28*    | 35*    | 6*     |

V0116 Deployable communications systems use/operate - Other

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 26 % | 43 %   | 11 %   | 33 %   |
| Other:               | 74 % | 57 %   | 89 %   | 67 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0117 Frequency bands use - None

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 28 % | 4 %    | 40 %   | 67 %   |
| Other:               | 72 % | 96 %   | 60 %   | 33 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0118 Frequency bands use - HF

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 49 % | 46 %   | 54 %   | 33 %   |
| Other:               | 51 % | 54 %   | 46 %   | 67 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0119 Frequency bands use - Very High Frequency (VHF)

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 29 % | 29 %   | 29 %   | 33 %   |
| Other:               | 71 % | 71 %   | 71 %   | 67 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0120 Frequency bands use - Ultrahigh Frequency (UHF)

| ANG                  |      |      |      |      |
|----------------------|------|------|------|------|
| TOTAL                |      |      |      |      |
| SAMPLE               |      |      |      |      |
| gp0012               |      |      |      |      |
| gp0013               |      |      |      |      |
| gp0014               |      |      |      |      |
| gp0015               |      |      |      |      |
| Interval Percentages |      |      |      |      |
| Yes                  | 33 % | 32 % | 34 % | 33 % |
| Other:               | 67 % | 68 % | 66 % | 67 % |
| Total in group:      | 69*  | 28*  | 35*  | 6*   |

V0121 Frequency bands use - Super High Frequency (SHF)

| ANG                  |      |       |      |       |
|----------------------|------|-------|------|-------|
| TOTAL                |      |       |      |       |
| SAMPLE               |      |       |      |       |
| gp0012               |      |       |      |       |
| gp0013               |      |       |      |       |
| gp0014               |      |       |      |       |
| gp0015               |      |       |      |       |
| Interval Percentages |      |       |      |       |
| Yes                  | 6 %  | 0 %   | 11 % | 0 %   |
| Other:               | 94 % | 100 % | 89 % | 100 % |
| Total in group:      | 69*  | 28*   | 35*  | 6*    |

V0122 Frequency bands use - Extremely High Frequency (EHF)

| ANG                  |      |      |      |       |
|----------------------|------|------|------|-------|
| TOTAL                |      |      |      |       |
| SAMPLE               |      |      |      |       |
| gp0012               |      |      |      |       |
| gp0013               |      |      |      |       |
| gp0014               |      |      |      |       |
| gp0015               |      |      |      |       |
| Interval Percentages |      |      |      |       |
| Yes                  | 6 %  | 4 %  | 9 %  | 0 %   |
| Other:               | 94 % | 96 % | 91 % | 100 % |
| Total in group:      | 69*  | 28*  | 35*  | 6*    |

V0123 Frequency bands use - Other

| ANG                  |      |      |      |       |
|----------------------|------|------|------|-------|
| TOTAL                |      |      |      |       |
| SAMPLE               |      |      |      |       |
| gp0012               |      |      |      |       |
| gp0013               |      |      |      |       |
| gp0014               |      |      |      |       |
| gp0015               |      |      |      |       |
| Interval Percentages |      |      |      |       |
| Yes                  | 16 % | 36 % | 3 %  | 0 %   |
| Other:               | 84 % | 64 % | 97 % | 100 % |
| Total in group:      | 69*  | 28*  | 35*  | 6*    |



V0124 Communications modes use - None

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 22 % | 4 %    | 29 %   | 67 %   |
| Other:               | 78 % | 96 %   | 71 %   | 33 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0125 Communications modes use - Amplitude Modulation (AM)

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 20 % | 25 %   | 20 %   | 0 %    |
| Other:               | 80 % | 75 %   | 80 %   | 100 %  |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0126 Communications modes use - Data Transmission

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 35 % | 39 %   | 31 %   | 33 %   |
| Other:               | 65 % | 61 %   | 69 %   | 67 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0127 Communications modes use - Demand Assigned Multiple Access (DAMA)

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 29 % | 32 %   | 31 %   | 0 %    |
| Other:               | 71 % | 68 %   | 69 %   | 100 %  |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0128 Communications modes use - Frequency Modulation (FM)

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 29 % | 39 %   | 26 %   | 0 %    |
| Other:               | 71 % | 61 %   | 74 %   | 100 %  |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0129 Communications modes use - Have Quick

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 19 % | 14 %   | 20 %   | 33 %   |
| Other:               | 81 % | 86 %   | 80 %   | 67 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0130 Communications modes use - Independent Sideband (ISB)

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 19 % | 21 %   | 20 %   | 0 %    |
| Other:               | 81 % | 79 %   | 80 %   | 100 %  |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0131 Communications modes use - Lower Sideband (LSB)

|                      | ANG  | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0012               |      | gp0013 | gp0014 | gp0015 |
| Interval Percentages |      |        |        |        |
| Yes                  | 22 % | 25 %   | 20 %   | 17 %   |
| Other:               | 78 % | 75 %   | 80 %   | 83 %   |
| Total in group:      | 69*  | 28*    | 35*    | 6*     |

V0132 Communications modes use - Milstar Waveform

| ANG                  |  |  |  |  |
|----------------------|--|--|--|--|
| TOTAL                |  |  |  |  |
| SAMPLE               |  |  |  |  |
| gp0012               |  |  |  |  |
| Interval Percentages |  |  |  |  |
| Yes                  |  |  |  |  |
| Other:               |  |  |  |  |
| Total in group:      |  |  |  |  |

V0133 Communications modes use - Single Sideband (SSB)

| ANG                  |  |  |  |  |
|----------------------|--|--|--|--|
| TOTAL                |  |  |  |  |
| SAMPLE               |  |  |  |  |
| gp0012               |  |  |  |  |
| Interval Percentages |  |  |  |  |
| Yes                  |  |  |  |  |
| Other:               |  |  |  |  |
| Total in group:      |  |  |  |  |

V0134 Communications modes use - Upper Sideband (USB)

| ANG                  |  |  |  |  |
|----------------------|--|--|--|--|
| TOTAL                |  |  |  |  |
| SAMPLE               |  |  |  |  |
| gp0012               |  |  |  |  |
| Interval Percentages |  |  |  |  |
| Yes                  |  |  |  |  |
| Other:               |  |  |  |  |
| Total in group:      |  |  |  |  |

V0135 Communications modes use - Other

| ANG                  |  |  |  |  |
|----------------------|--|--|--|--|
| TOTAL                |  |  |  |  |
| SAMPLE               |  |  |  |  |
| gp0012               |  |  |  |  |
| Interval Percentages |  |  |  |  |
| Yes                  |  |  |  |  |
| Other:               |  |  |  |  |
| Total in group:      |  |  |  |  |

V0136 Mobile comm systems use/opr - None

|                      | ANG                 | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------|--------|--------|--------|
| Interval Percentages | TOTAL SAMPLE gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 28 %                | 4 %    | 40 %   | 67 %   |
| Other:               | 72 %                | 96 %   | 60 %   | 33 %   |
| Total in group:      | 69*                 | 28*    | 35*    | 6*     |

V0137 Mobile comm systems use/opr - International Maritime Satellites (INMARSAT)

|                      | ANG                 | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------|--------|--------|--------|
| Interval Percentages | TOTAL SAMPLE gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 7 %                 | 14 %   | 3 %    | 0 %    |
| Other:               | 93 %                | 86 %   | 97 %   | 100 %  |
| Total in group:      | 69*                 | 28*    | 35*    | 6*     |

V0138 Mobile comm systems use/opr - Milstar

|                      | ANG                 | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------|--------|--------|--------|
| Interval Percentages | TOTAL SAMPLE gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 0 %                 | 0 %    | 0 %    | 0 %    |
| Other:               | 100 %               | 100 %  | 100 %  | 100 %  |
| Total in group:      | 69*                 | 28*    | 35*    | 6*     |

V0139 Mobile comm systems use/opr - Radios, Backpack

|                      | ANG                 | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------|--------|--------|--------|
| Interval Percentages | TOTAL SAMPLE gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 26 %                | 39 %   | 17 %   | 17 %   |
| Other:               | 74 %                | 61 %   | 83 %   | 83 %   |
| Total in group:      | 69*                 | 28*    | 35*    | 6*     |

V0140 Mobile comm systems use/opr - Radios, Handheld

|                      |  | ANG   |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--|-------|--------|--------|--------|--------|
|                      |  | TOTAL | SAMPLE | gp0013 | gp0014 | gp0015 |
| Interval Percentages |  |       |        |        |        |        |
| Yes                  |  | 36 %  | 64 %   | 50 %   | 26 %   | 33 %   |
| Other:               |  |       |        | 50 %   | 74 %   | 67 %   |
| Total in group:      |  | 69*   |        | 28*    | 35*    | 6*     |

V0141 Mobile comm systems use/opr - Satellite Communications (SATCOM)

|                      |  | ANG   |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--|-------|--------|--------|--------|--------|
|                      |  | TOTAL | SAMPLE | gp0013 | gp0014 | gp0015 |
| Interval Percentages |  |       |        |        |        |        |
| Yes                  |  | 33 %  | 67 %   | 46 %   | 26 %   | 17 %   |
| Other:               |  |       |        | 54 %   | 74 %   | 83 %   |
| Total in group:      |  | 69*   |        | 28*    | 35*    | 6*     |

V0142 Mobile comm systems use/opr - Transceivers, Portable

|                      |  | ANG   |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--|-------|--------|--------|--------|--------|
|                      |  | TOTAL | SAMPLE | gp0013 | gp0014 | gp0015 |
| Interval Percentages |  |       |        |        |        |        |
| Yes                  |  | 28 %  | 72 %   | 32 %   | 26 %   | 17 %   |
| Other:               |  |       |        | 68 %   | 74 %   | 83 %   |
| Total in group:      |  | 69*   |        | 28*    | 35*    | 6*     |

V0143 Mobile comm systems use/opr - Transceivers, Vehicular

|                      |  | ANG   |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--|-------|--------|--------|--------|--------|
|                      |  | TOTAL | SAMPLE | gp0013 | gp0014 | gp0015 |
| Interval Percentages |  |       |        |        |        |        |
| Yes                  |  | 7 %   | 93 %   | 7 %    | 6 %    | 17 %   |
| Other:               |  |       |        | 93 %   | 94 %   | 83 %   |
| Total in group:      |  | 69*   |        | 28*    | 35*    | 6*     |

V0144 Mobile comm systems use/opr - Other

| ANG                  |       |       |       |       |
|----------------------|-------|-------|-------|-------|
| TOTAL                |       |       |       |       |
| SAMPLE               |       |       |       |       |
| gp0012               |       |       |       |       |
| gp0013               |       |       |       |       |
| gp0014               |       |       |       |       |
| gp0015               |       |       |       |       |
| Interval Percentages | 5-LVL | 7-LVL | 9-LVL |       |
| Yes                  | 19 %  | 39 %  | 6 %   | 0 %   |
| Other:               | 81 %  | 61 %  | 94 %  | 100 % |
| Total in group:      | 69*   | 28*   | 35*   | 6*    |

V0145 Comm equip use/opr - None

| ANG                  |       |       |       |  |
|----------------------|-------|-------|-------|--|
| TOTAL                |       |       |       |  |
| SAMPLE               |       |       |       |  |
| gp0012               |       |       |       |  |
| gp0013               |       |       |       |  |
| gp0014               |       |       |       |  |
| gp0015               |       |       |       |  |
| Interval Percentages | 5-LVL | 7-LVL | 9-LVL |  |
| Yes                  | 3 %   | 3 %   | 0 %   |  |
| Other:               | 97 %  | 97 %  | 100 % |  |
| Total in group:      | 69*   | 35*   | 6*    |  |

V0146 Comm equip use/opr - Advanced Data Controllers (ADCs)

| ANG                  |       |       |       |       |
|----------------------|-------|-------|-------|-------|
| TOTAL                |       |       |       |       |
| SAMPLE               |       |       |       |       |
| gp0012               |       |       |       |       |
| gp0013               |       |       |       |       |
| gp0014               |       |       |       |       |
| gp0015               |       |       |       |       |
| Interval Percentages | 5-LVL | 7-LVL | 9-LVL |       |
| Yes                  | 4 %   | 4 %   | 6 %   | 0 %   |
| Other:               | 96 %  | 96 %  | 94 %  | 100 % |
| Total in group:      | 69*   | 28*   | 35*   | 6*    |

V0147 Comm equip use/opr - Automated Communications Management Systems (ACMSs)

| ANG                  |       |       |       |       |
|----------------------|-------|-------|-------|-------|
| TOTAL                |       |       |       |       |
| SAMPLE               |       |       |       |       |
| gp0012               |       |       |       |       |
| gp0013               |       |       |       |       |
| gp0014               |       |       |       |       |
| gp0015               |       |       |       |       |
| Interval Percentages | 5-LVL | 7-LVL | 9-LVL |       |
| Yes                  | 0 %   | 0 %   | 0 %   | 0 %   |
| Other:               | 100 % | 100 % | 100 % | 100 % |
| Total in group:      | 69*   | 28*   | 35*   | 6*    |

V0148 Comm equip use/opr - Cellular Phones

|                      |  | ANG   |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--|-------|--------|--------|--------|--------|
|                      |  | TOTAL | SAMPLE | gp0013 | gp0014 | gp0015 |
| Interval Percentages |  |       |        |        |        |        |
| Yes                  |  | 23 %  |        | 11 %   | 29 %   | 50 %   |
| Other:               |  | 77 %  |        | 89 %   | 71 %   | 50 %   |
| Total in group:      |  | 69*   |        | 28*    | 35*    | 6*     |

V0149 Comm equip use/opr - Communication Planning Tools

|                      |  | ANG   |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--|-------|--------|--------|--------|--------|
|                      |  | TOTAL | SAMPLE | gp0013 | gp0014 | gp0015 |
| Interval Percentages |  |       |        |        |        |        |
| Yes                  |  | 12 %  |        | 11 %   | 11 %   | 17 %   |
| Other:               |  | 88 %  |        | 89 %   | 89 %   | 83 %   |
| Total in group:      |  | 69*   |        | 28*    | 35*    | 6*     |

V0150 Comm equip use/opr - Computer Equipment

|                      |  | ANG   |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--|-------|--------|--------|--------|--------|
|                      |  | TOTAL | SAMPLE | gp0013 | gp0014 | gp0015 |
| Interval Percentages |  |       |        |        |        |        |
| Yes                  |  | 55 %  |        | 39 %   | 63 %   | 83 %   |
| Other:               |  | 45 %  |        | 61 %   | 37 %   | 17 %   |
| Total in group:      |  | 69*   |        | 28*    | 35*    | 6*     |

V0151 Comm equip use/opr - Cryptographic Equipment

|                      |  | ANG   |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--|-------|--------|--------|--------|--------|
|                      |  | TOTAL | SAMPLE | gp0013 | gp0014 | gp0015 |
| Interval Percentages |  |       |        |        |        |        |
| Yes                  |  | 64 %  |        | 57 %   | 69 %   | 67 %   |
| Other:               |  | 36 %  |        | 43 %   | 31 %   | 33 %   |
| Total in group:      |  | 69*   |        | 28*    | 35*    | 6*     |

V0152 Comm equip use/opr - Defense Message Systems (DMSs)

| ANG                  |        |        |        |      |
|----------------------|--------|--------|--------|------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |      |
| SAMPLE               |        |        |        |      |
| gp0012               | gp0013 | gp0014 | gp0015 |      |
| Interval Percentages |        |        |        |      |
| Yes                  | 10 %   | 7 %    | 6 %    | 50 % |
| Other:               | 90 %   | 93 %   | 94 %   | 50 % |
| Total in group:      | 69*    | 28*    | 35*    | 6*   |

V0153 Comm equip use/opr - Facsimile Equipment

| ANG                  |        |        |        |      |
|----------------------|--------|--------|--------|------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |      |
| SAMPLE               |        |        |        |      |
| gp0012               | gp0013 | gp0014 | gp0015 |      |
| Interval Percentages |        |        |        |      |
| Yes                  | 30 %   | 21 %   | 34 %   | 50 % |
| Other:               | 70 %   | 79 %   | 66 %   | 50 % |
| Total in group:      | 69*    | 28*    | 35*    | 6*   |

V0154 Comm equip use/opr - Global Positioning Satellites (GPSS)

| ANG                  |        |        |        |      |
|----------------------|--------|--------|--------|------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |      |
| SAMPLE               |        |        |        |      |
| gp0012               | gp0013 | gp0014 | gp0015 |      |
| Interval Percentages |        |        |        |      |
| Yes                  | 20 %   | 7 %    | 23 %   | 67 % |
| Other:               | 80 %   | 93 %   | 77 %   | 33 % |
| Total in group:      | 69*    | 28*    | 35*    | 6*   |

V0155 Comm equip use/opr - Land Mobile Radios (LMRs)

| ANG                  |        |        |        |      |
|----------------------|--------|--------|--------|------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |      |
| SAMPLE               |        |        |        |      |
| gp0012               | gp0013 | gp0014 | gp0015 |      |
| Interval Percentages |        |        |        |      |
| Yes                  | 35 %   | 39 %   | 29 %   | 50 % |
| Other:               | 65 %   | 61 %   | 71 %   | 50 % |
| Total in group:      | 69*    | 28*    | 35*    | 6*   |



V0156 Comm equip use/opr - LMR Repeaters

|                      | ANG<br>TOTAL<br>SAMPLE<br>gp0012 | 5-LVL<br>gp0013 | 7-LVL<br>gp0014 | 9-LVL<br>gp0015 |
|----------------------|----------------------------------|-----------------|-----------------|-----------------|
| Interval Percentages |                                  |                 |                 |                 |
| Yes                  | 17 %                             | 21 %            | 17 %            | 0 %             |
| Other:               | 83 %                             | 79 %            | 83 %            | 100 %           |
| Total in group:      | 69*                              | 28*             | 35*             | 6*              |

V0157 Comm equip use/opr - Mobile Antenna Systems

|                      | ANG<br>TOTAL<br>SAMPLE<br>gp0012 | 5-LVL<br>gp0013 | 7-LVL<br>gp0014 | 9-LVL<br>gp0015 |
|----------------------|----------------------------------|-----------------|-----------------|-----------------|
| Interval Percentages |                                  |                 |                 |                 |
| Yes                  | 35 %                             | 50 %            | 29 %            | 0 %             |
| Other:               | 65 %                             | 50 %            | 71 %            | 100 %           |
| Total in group:      | 69*                              | 28*             | 35*             | 6*              |

V0158 Comm equip use/opr - Printers

|                      | ANG<br>TOTAL<br>SAMPLE<br>gp0012 | 5-LVL<br>gp0013 | 7-LVL<br>gp0014 | 9-LVL<br>gp0015 |
|----------------------|----------------------------------|-----------------|-----------------|-----------------|
| Interval Percentages |                                  |                 |                 |                 |
| Yes                  | 64 %                             | 50 %            | 69 %            | 100 %           |
| Other:               | 36 %                             | 50 %            | 31 %            | 0 %             |
| Total in group:      | 69*                              | 28*             | 35*             | 6*              |

V0159 Comm equip use/opr - Radio Equipment

|                      | ANG<br>TOTAL<br>SAMPLE<br>gp0012 | 5-LVL<br>gp0013 | 7-LVL<br>gp0014 | 9-LVL<br>gp0015 |
|----------------------|----------------------------------|-----------------|-----------------|-----------------|
| Interval Percentages |                                  |                 |                 |                 |
| Yes                  | 57 %                             | 71 %            | 49 %            | 33 %            |
| Other:               | 43 %                             | 29 %            | 51 %            | 67 %            |
| Total in group:      | 69*                              | 28*             | 35*             | 6*              |

V0160 Comm equip use/opr - Radio Teletype Equipment

|                      | ANG                       | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------------|--------|--------|--------|
| Interval Percentages | TOTAL<br>SAMPLE<br>gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 14 %                      | 21 %   | 11 %   | 0 %    |
| Other:               | 86 %                      | 79 %   | 89 %   | 100 %  |
| Total in group:      | 69*                       | 28*    | 35*    | 6*     |

V0161 Comm equip use/opr - Remote Monitoring Systems

|                      | ANG                       | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------------|--------|--------|--------|
| Interval Percentages | TOTAL<br>SAMPLE<br>gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 13 %                      | 18 %   | 11 %   | 0 %    |
| Other:               | 87 %                      | 82 %   | 89 %   | 100 %  |
| Total in group:      | 69*                       | 28*    | 35*    | 6*     |

V0162 Comm equip use/opr - Satellite Communications Equipment

|                      | ANG                       | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------------|--------|--------|--------|
| Interval Percentages | TOTAL<br>SAMPLE<br>gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 39 %                      | 57 %   | 29 %   | 17 %   |
| Other:               | 61 %                      | 43 %   | 71 %   | 83 %   |
| Total in group:      | 69*                       | 28*    | 35*    | 6*     |

V0163 Comm equip use/opr - Scanners

|                      | ANG                       | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------------|--------|--------|--------|
| Interval Percentages | TOTAL<br>SAMPLE<br>gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 14 %                      | 18 %   | 9 %    | 33 %   |
| Other:               | 86 %                      | 82 %   | 91 %   | 67 %   |
| Total in group:      | 69*                       | 28*    | 35*    | 6*     |

V0164 Comm equip use/opr - Secured Telephones

|                      | ANG                 | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------|--------|--------|--------|
| Interval Percentages | TOTAL SAMPLE gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 52 %                | 29 %   | 63 %   | 100 %  |
| Other:               | 48 %                | 71 %   | 37 %   | 0 %    |
| Total in group:      | 69*                 | 28*    | 35*    | 6*     |

V0165 Comm equip use/opr - Switchboard Equipment

|                      | ANG                 | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------|--------|--------|--------|
| Interval Percentages | TOTAL SAMPLE gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 6 %                 | 7 %    | 6 %    | 0 %    |
| Other:               | 94 %                | 93 %   | 94 %   | 100 %  |
| Total in group:      | 69*                 | 28*    | 35*    | 6*     |

V0166 Comm equip use/opr - Tape Recorders

|                      | ANG                 | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------|--------|--------|--------|
| Interval Percentages | TOTAL SAMPLE gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 1 %                 | 4 %    | 0 %    | 0 %    |
| Other:               | 99 %                | 96 %   | 100 %  | 100 %  |
| Total in group:      | 69*                 | 28*    | 35*    | 6*     |

V0167 Comm equip use/opr - Telephones

|                      | ANG                 | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|---------------------|--------|--------|--------|
| Interval Percentages | TOTAL SAMPLE gp0012 | gp0013 | gp0014 | gp0015 |
| Yes                  | 62 %                | 43 %   | 71 %   | 100 %  |
| Other:               | 38 %                | 57 %   | 29 %   | 0 %    |
| Total in group:      | 69*                 | 28*    | 35*    | 6*     |

V0168 Comm equip use/opr - Time Distribution Subsystem Preprocessors (TDSPPs)

|                      |  | ANG    |        |        |        |  |  |
|----------------------|--|--------|--------|--------|--------|--|--|
|                      |  | TOTAL  | 5-LVL  | 7-LVL  | 9-LVL  |  |  |
|                      |  | SAMPLE |        |        |        |  |  |
| Interval Percentages |  | gp0012 | gp0013 | gp0014 | gp0015 |  |  |
| Yes                  |  | 3 %    | 7 %    | 0 %    | 0 %    |  |  |
| Other:               |  | 97 %   | 93 %   | 100 %  | 100 %  |  |  |
| Total in group:      |  | 69*    | 28*    | 35*    | 6*     |  |  |

V0169 Comm equip use/opr - Transmission Security (TRANSEC) Equipment

|                      |  | ANG    |        |        |        |  |  |
|----------------------|--|--------|--------|--------|--------|--|--|
|                      |  | TOTAL  | 5-LVL  | 7-LVL  | 9-LVL  |  |  |
|                      |  | SAMPLE |        |        |        |  |  |
| Interval Percentages |  | gp0012 | gp0013 | gp0014 | gp0015 |  |  |
| Yes                  |  | 13 %   | 14 %   | 11 %   | 17 %   |  |  |
| Other:               |  | 87 %   | 86 %   | 89 %   | 83 %   |  |  |
| Total in group:      |  | 69*    | 28*    | 35*    | 6*     |  |  |

V0170 Comm equip use/opr - Other

|                      |  | ANG    |        |        |        |  |  |
|----------------------|--|--------|--------|--------|--------|--|--|
|                      |  | TOTAL  | 5-LVL  | 7-LVL  | 9-LVL  |  |  |
|                      |  | SAMPLE |        |        |        |  |  |
| Interval Percentages |  | gp0012 | gp0013 | gp0014 | gp0015 |  |  |
| Yes                  |  | 10 %   | 18 %   | 3 %    | 17 %   |  |  |
| Other:               |  | 90 %   | 82 %   | 97 %   | 83 %   |  |  |
| Total in group:      |  | 69*    | 28*    | 35*    | 6*     |  |  |

Radio Communications Systems  
 Reported AFSC(s): 3C1X1

----- Variable/Group Distributions -----

The percent of reported group members who use, maintain or operate various types of equipment are presented under the column headings for the appropriate group. This percent using, maintaining, or operating equipment may be valuable in determining the relevancy of training and testing on or about these types of equipment.

Reports on the following groups were requested:

gp0016: All Air Reserve Airmen with DAFSC 3C1X1 (n = 87)  
 gp0017: All Air Reserve Airmen with DAFSC 3C151 (n = 35)  
 gp0018: All Air Reserve Airmen with DAFSC 3C171 (n = 47)  
 gp0019: All Air Reserve Airmen with DAFSC 3C191 (n = 5)

V0102 Fixed communication sys use/oper - None

| Interval Percentages | AFRC         |        |        |        |
|----------------------|--------------|--------|--------|--------|
|                      | TOTAL SAMPLE | 5-LVL  | 7-LVL  | 9-LVL  |
|                      | gp0016       | gp0017 | gp0018 | gp0019 |
| Yes                  | 69 %         | 63 %   | 72 %   | 80 %   |
| Other:               | 31 %         | 37 %   | 28 %   | 20 %   |
| Total in group:      | 87*          | 35*    | 47*    | 5*     |

V0103 Fixed communication sys use/oper - AFSATCOM

| Interval Percentages | AFRC         |        |        |        |
|----------------------|--------------|--------|--------|--------|
|                      | TOTAL SAMPLE | 5-LVL  | 7-LVL  | 9-LVL  |
|                      | gp0016       | gp0017 | gp0018 | gp0019 |
| Yes                  | 13 %         | 14 %   | 13 %   | 0 %    |
| Other:               | 87 %         | 86 %   | 87 %   | 100 %  |
| Total in group:      | 87*          | 35*    | 47*    | 5*     |

V0104 Fixed communication sys use/oper - Global HF Systems

|                      | AFRC<br>TOTAL<br>SAMPLE<br>gp0016 | 5-LVL<br>gp0017 | 7-LVL<br>gp0018 | 9-LVL<br>gp0019 |
|----------------------|-----------------------------------|-----------------|-----------------|-----------------|
| Interval Percentages |                                   |                 |                 |                 |
| Yes                  | 20 %                              | 17 %            | 23 %            | 0 %             |
| Other:               | 80 %                              | 83 %            | 77 %            | 100 %           |
| Total in group:      | 87*                               | 35*             | 47*             | 5*              |

V0105 Fixed communication sys use/oper - Global Weather Intercept Program (GWIP)

|                      | AFRC<br>TOTAL<br>SAMPLE<br>gp0016 | 5-LVL<br>gp0017 | 7-LVL<br>gp0018 | 9-LVL<br>gp0019 |
|----------------------|-----------------------------------|-----------------|-----------------|-----------------|
| Interval Percentages |                                   |                 |                 |                 |
| Yes                  | 0 %                               | 0 %             | 0 %             | 0 %             |
| Other:               | 100 %                             | 100 %           | 100 %           | 100 %           |
| Total in group:      | 87*                               | 35*             | 47*             | 5*              |

V0106 Fixed communication sys use/oper - Milstar

|                      | AFRC<br>TOTAL<br>SAMPLE<br>gp0016 | 5-LVL<br>gp0017 | 7-LVL<br>gp0018 | 9-LVL<br>gp0019 |
|----------------------|-----------------------------------|-----------------|-----------------|-----------------|
| Interval Percentages |                                   |                 |                 |                 |
| Yes                  | 1 %                               | 3 %             | 0 %             | 0 %             |
| Other:               | 99 %                              | 97 %            | 100 %           | 100 %           |
| Total in group:      | 87*                               | 35*             | 47*             | 5*              |

V0107 Fixed communication sys use/oper - SITFAA

|                      | AFRC<br>TOTAL<br>SAMPLE<br>gp0016 | 5-LVL<br>gp0017 | 7-LVL<br>gp0018 | 9-LVL<br>gp0019 |
|----------------------|-----------------------------------|-----------------|-----------------|-----------------|
| Interval Percentages |                                   |                 |                 |                 |
| Yes                  | 0 %                               | 0 %             | 0 %             | 0 %             |
| Other:               | 100 %                             | 100 %           | 100 %           | 100 %           |
| Total in group:      | 87*                               | 35*             | 47*             | 5*              |

V0108 Fixed communication sys use/oper - Other

| AFRC            |        |        |        |  |
|-----------------|--------|--------|--------|--|
| TOTAL           | 5-LVL  | 7-LVL  | 9-LVL  |  |
| SAMPLE          |        |        |        |  |
| gp0016          | gp0017 | gp0018 | gp0019 |  |
| 7 %             | 11 %   | 4 %    | 0 %    |  |
| 93 %            | 89 %   | 96 %   | 100 %  |  |
| Total in group: | 87*    | 47*    | 5*     |  |

V0109 Deployable communications systems use/operate - None

| AFRC            |        |        |        |  |
|-----------------|--------|--------|--------|--|
| TOTAL           | 5-LVL  | 7-LVL  | 9-LVL  |  |
| SAMPLE          |        |        |        |  |
| gp0016          | gp0017 | gp0018 | gp0019 |  |
| 29 %            | 29 %   | 26 %   | 60 %   |  |
| 71 %            | 71 %   | 74 %   | 40 %   |  |
| Total in group: | 87*    | 47*    | 5*     |  |

V0110 Deployable communications systems use/operate - AFSATCOM

| AFRC            |        |        |        |  |
|-----------------|--------|--------|--------|--|
| TOTAL           | 5-LVL  | 7-LVL  | 9-LVL  |  |
| SAMPLE          |        |        |        |  |
| gp0016          | gp0017 | gp0018 | gp0019 |  |
| 36 %            | 34 %   | 38 %   | 20 %   |  |
| 64 %            | 66 %   | 62 %   | 80 %   |  |
| Total in group: | 87*    | 47*    | 5*     |  |

V0111 Deployable communications systems use/operate - HF Mobile Systems

| AFRC            |        |        |        |  |
|-----------------|--------|--------|--------|--|
| TOTAL           | 5-LVL  | 7-LVL  | 9-LVL  |  |
| SAMPLE          |        |        |        |  |
| gp0016          | gp0017 | gp0018 | gp0019 |  |
| 59 %            | 54 %   | 66 %   | 20 %   |  |
| 41 %            | 46 %   | 34 %   | 80 %   |  |
| Total in group: | 87*    | 47*    | 5*     |  |

V0112 Deployable communications systems use/operate - Milstar

|                      |        |        |        |        |  |  |
|----------------------|--------|--------|--------|--------|--|--|
|                      | AFRC   |        |        |        |  |  |
|                      | TOTAL  | 5-LVL  | 7-LVL  | 9-LVL  |  |  |
| Interval Percentages | SAMPLE | gp0017 | gp0018 | gp0019 |  |  |
|                      | gp0016 |        |        |        |  |  |
| Yes                  | 1 %    | 3 %    | 0 %    | 0 %    |  |  |
| Other:               | 99 %   | 97 %   | 100 %  | 100 %  |  |  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |  |  |

V0113 Deployable communications systems use/operate - MICK/WICP

|                      |        |        |        |        |  |  |
|----------------------|--------|--------|--------|--------|--|--|
|                      | AFRC   |        |        |        |  |  |
|                      | TOTAL  | 5-LVL  | 7-LVL  | 9-LVL  |  |  |
| Interval Percentages | SAMPLE | gp0017 | gp0018 | gp0019 |  |  |
|                      | gp0016 |        |        |        |  |  |
| Yes                  | 5 %    | 3 %    | 6 %    | 0 %    |  |  |
| Other:               | 95 %   | 97 %   | 94 %   | 100 %  |  |  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |  |  |

V0114 Deployable communications systems use/operate - Mystic Star

|                      |        |        |        |        |  |  |
|----------------------|--------|--------|--------|--------|--|--|
|                      | AFRC   |        |        |        |  |  |
|                      | TOTAL  | 5-LVL  | 7-LVL  | 9-LVL  |  |  |
| Interval Percentages | SAMPLE | gp0017 | gp0018 | gp0019 |  |  |
|                      | gp0016 |        |        |        |  |  |
| Yes                  | 0 %    | 0 %    | 0 %    | 0 %    |  |  |
| Other:               | 100 %  | 100 %  | 100 %  | 100 %  |  |  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |  |  |

V0115 Deployable communications systems use/operate - Special Operations

|                      |        |        |        |        |  |  |
|----------------------|--------|--------|--------|--------|--|--|
|                      | AFRC   |        |        |        |  |  |
|                      | TOTAL  | 5-LVL  | 7-LVL  | 9-LVL  |  |  |
| Interval Percentages | SAMPLE | gp0017 | gp0018 | gp0019 |  |  |
|                      | gp0016 |        |        |        |  |  |
| Yes                  | 7 %    | 9 %    | 6 %    | 0 %    |  |  |
| Other:               | 93 %   | 91 %   | 94 %   | 100 %  |  |  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |  |  |



V0116 Deployable communications systems use/operate - Other

|                      |        |        |        |      |
|----------------------|--------|--------|--------|------|
| AFRC                 |        |        |        |      |
| TOTAL                |        |        |        |      |
| SAMPLE               |        |        |        |      |
| gp0016               | 5-LVL  | 7-LVL  | 9-LVL  |      |
| gp0017               | gp0017 | gp0018 | gp0019 |      |
| Interval Percentages |        |        |        |      |
| Yes                  | 16 %   | 17 %   | 15 %   | 20 % |
| Other:               | 84 %   | 83 %   | 85 %   | 80 % |
| Total in group:      | 87*    | 35*    | 47*    | 5*   |

V0117 Frequency bands use - None

|                      |        |        |        |      |
|----------------------|--------|--------|--------|------|
| AFRC                 |        |        |        |      |
| TOTAL                |        |        |        |      |
| SAMPLE               |        |        |        |      |
| gp0016               | 5-LVL  | 7-LVL  | 9-LVL  |      |
| gp0017               | gp0017 | gp0018 | gp0019 |      |
| Interval Percentages |        |        |        |      |
| Yes                  | 24 %   | 23 %   | 26 %   | 20 % |
| Other:               | 76 %   | 77 %   | 74 %   | 80 % |
| Total in group:      | 87*    | 35*    | 47*    | 5*   |

V0118 Frequency bands use - HF

|                      |        |        |        |      |
|----------------------|--------|--------|--------|------|
| AFRC                 |        |        |        |      |
| TOTAL                |        |        |        |      |
| SAMPLE               |        |        |        |      |
| gp0016               | 5-LVL  | 7-LVL  | 9-LVL  |      |
| gp0017               | gp0017 | gp0018 | gp0019 |      |
| Interval Percentages |        |        |        |      |
| Yes                  | 71 %   | 77 %   | 66 %   | 80 % |
| Other:               | 29 %   | 23 %   | 34 %   | 20 % |
| Total in group:      | 87*    | 35*    | 47*    | 5*   |

V0119 Frequency bands use - Very High Frequency (VHF)

|                      |        |        |        |      |
|----------------------|--------|--------|--------|------|
| AFRC                 |        |        |        |      |
| TOTAL                |        |        |        |      |
| SAMPLE               |        |        |        |      |
| gp0016               | 5-LVL  | 7-LVL  | 9-LVL  |      |
| gp0017               | gp0017 | gp0018 | gp0019 |      |
| Interval Percentages |        |        |        |      |
| Yes                  | 38 %   | 40 %   | 38 %   | 20 % |
| Other:               | 62 %   | 60 %   | 62 %   | 80 % |
| Total in group:      | 87*    | 35*    | 47*    | 5*   |

V0120 Frequency bands use - Ultrahigh Frequency (UHF)

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 36 %   | 30 %   | 20 %   |
| Other:               | 64 %   | 70 %   | 80 %   |
| Total in group:      | 87*    | 47*    | 5*     |

V0121 Frequency bands use - Super High Frequency (SHF)

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 9 %    | 9 %    | 0 %    |
| Other:               | 91 %   | 91 %   | 100 %  |
| Total in group:      | 87*    | 47*    | 5*     |

V0122 Frequency bands use - Extremely High Frequency (EHF)

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 5 %    | 2 %    | 0 %    |
| Other:               | 95 %   | 98 %   | 100 %  |
| Total in group:      | 87*    | 47*    | 5*     |

V0123 Frequency bands use - Other

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 3 %    | 6 %    | 0 %    |
| Other:               | 97 %   | 94 %   | 100 %  |
| Total in group:      | 87*    | 47*    | 5*     |

V0124 Communications modes use - None

| AFRC                 |      |      |      |      |
|----------------------|------|------|------|------|
| TOTAL                |      |      |      |      |
| SAMPLE               |      |      |      |      |
| gp0016               |      |      |      |      |
| Interval Percentages |      |      |      |      |
| gp0017               |      |      |      |      |
| gp0018               |      |      |      |      |
| gp0019               |      |      |      |      |
| Yes                  | 16 % | 14 % | 17 % | 20 % |
| Other:               | 84 % | 86 % | 83 % | 80 % |
| Total in group:      | 87*  | 35*  | 47*  | 5*   |

V0125 Communications modes use - Amplitude Modulation (AM)

| AFRC                 |      |      |      |       |
|----------------------|------|------|------|-------|
| TOTAL                |      |      |      |       |
| SAMPLE               |      |      |      |       |
| gp0016               |      |      |      |       |
| Interval Percentages |      |      |      |       |
| gp0017               |      |      |      |       |
| gp0018               |      |      |      |       |
| gp0019               |      |      |      |       |
| Yes                  | 32 % | 34 % | 34 % | 0 %   |
| Other:               | 68 % | 66 % | 66 % | 100 % |
| Total in group:      | 87*  | 35*  | 47*  | 5*    |

V0126 Communications modes use - Data Transmission

| AFRC                 |      |      |      |      |
|----------------------|------|------|------|------|
| TOTAL                |      |      |      |      |
| SAMPLE               |      |      |      |      |
| gp0016               |      |      |      |      |
| Interval Percentages |      |      |      |      |
| gp0017               |      |      |      |      |
| gp0018               |      |      |      |      |
| gp0019               |      |      |      |      |
| Yes                  | 48 % | 60 % | 40 % | 40 % |
| Other:               | 52 % | 40 % | 60 % | 60 % |
| Total in group:      | 87*  | 35*  | 47*  | 5*   |

V0127 Communications modes use - Demand Assigned Multiple Access (DAMA)

| AFRC                 |      |      |      |      |
|----------------------|------|------|------|------|
| TOTAL                |      |      |      |      |
| SAMPLE               |      |      |      |      |
| gp0016               |      |      |      |      |
| Interval Percentages |      |      |      |      |
| gp0017               |      |      |      |      |
| gp0018               |      |      |      |      |
| gp0019               |      |      |      |      |
| Yes                  | 44 % | 46 % | 45 % | 20 % |
| Other:               | 56 % | 54 % | 55 % | 80 % |
| Total in group:      | 87*  | 35*  | 47*  | 5*   |

V0128 Communications modes use - Frequency Modulation (FM)

|                      |  | AFRC   |        | 5-LVL  |        | 7-LVL |  | 9-LVL |  |  |  |
|----------------------|--|--------|--------|--------|--------|-------|--|-------|--|--|--|
|                      |  | TOTAL  | SAMPLE |        |        |       |  |       |  |  |  |
| Interval Percentages |  | gp0016 | gp0017 | gp0018 | gp0019 |       |  |       |  |  |  |
| Yes                  |  | 41 %   | 46 %   | 43 %   | 0 %    |       |  |       |  |  |  |
| Other:               |  | 59 %   | 54 %   | 57 %   | 100 %  |       |  |       |  |  |  |
| Total in group:      |  | 87*    | 35*    | 47*    | 5*     |       |  |       |  |  |  |

V0129 Communications modes use - Have Quick

|                      |  | AFRC   |        | 5-LVL  |        | 7-LVL |  | 9-LVL |  |
|----------------------|--|--------|--------|--------|--------|-------|--|-------|--|
|                      |  | TOTAL  | SAMPLE |        |        |       |  |       |  |
| Interval Percentages |  | gp0016 | gp0017 | gp0018 | gp0019 |       |  |       |  |
| Yes                  |  | 20 %   | 20 %   | 19 %   | 20 %   |       |  |       |  |
| Other:               |  | 80 %   | 80 %   | 81 %   | 80 %   |       |  |       |  |
| Total in group:      |  | 87*    | 35*    | 47*    | 5*     |       |  |       |  |

V0130 Communications modes use - Independent Sideband (ISB)

|                      |  | AFRC   |        | 5-LVL  |        | 7-LVL |  | 9-LVL |  |  |  |
|----------------------|--|--------|--------|--------|--------|-------|--|-------|--|--|--|
|                      |  | TOTAL  | SAMPLE |        |        |       |  |       |  |  |  |
| Interval Percentages |  | gp0016 | gp0017 | gp0018 | gp0019 |       |  |       |  |  |  |
| Yes                  |  | 7 %    | 11 %   | 4 %    | 0 %    |       |  |       |  |  |  |
| Other:               |  | 93 %   | 89 %   | 96 %   | 100 %  |       |  |       |  |  |  |
| Total in group:      |  | 87*    | 35*    | 47*    | 5*     |       |  |       |  |  |  |

V0131 Communications modes use - Lower Sideband (LSB)

|                      |  | AFRC   |        | 5-LVL  |        | 7-LVL |  | 9-LVL |  |
|----------------------|--|--------|--------|--------|--------|-------|--|-------|--|
|                      |  | TOTAL  | SAMPLE |        |        |       |  |       |  |
| Interval Percentages |  | gp0016 | gp0017 | gp0018 | gp0019 |       |  |       |  |
| Yes                  |  | 26 %   | 26 %   | 30 %   | 0 %    |       |  |       |  |
| Other:               |  | 74 %   | 74 %   | 70 %   | 100 %  |       |  |       |  |
| Total in group:      |  | 87*    | 35*    | 47*    | 5*     |       |  |       |  |

V0132 Communications modes use - Milstar Waveform

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 1 %    | 0 %    | 0 %    |
| Other:               | 99 %   | 100 %  | 100 %  |
| Total in group:      | 87*    | 47*    | 5*     |

V0133 Communications modes use - Single Sideband (SSB)

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 40 %   | 40 %   | 0 %    |
| Other:               | 60 %   | 60 %   | 100 %  |
| Total in group:      | 87*    | 47*    | 5*     |

V0134 Communications modes use - Upper Sideband (USB)

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 47 %   | 49 %   | 60 %   |
| Other:               | 53 %   | 51 %   | 40 %   |
| Total in group:      | 87*    | 47*    | 5*     |

V0135 Communications modes use - Other

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 5 %    | 6 %    | 0 %    |
| Other:               | 95 %   | 94 %   | 100 %  |
| Total in group:      | 87*    | 47*    | 5*     |

V0136 Mobile comm systems use/opr - None

| AFRC                 |      |      |      |      |
|----------------------|------|------|------|------|
| TOTAL                |      |      |      |      |
| SAMPLE               |      |      |      |      |
| gp0016               |      |      |      |      |
| Interval Percentages |      |      |      |      |
| Yes                  |      |      |      |      |
| Other:               |      |      |      |      |
| Total in group:      |      |      |      |      |
|                      | 25 % | 23 % | 23 % | 60 % |
|                      | 75 % | 77 % | 77 % | 40 % |
|                      | 87*  | 35*  | 47*  | 5*   |

V0137 Mobile comm systems use/opr - International Maritime Satellites (INMARSAT)

| AFRC                 |      |      |      |       |
|----------------------|------|------|------|-------|
| TOTAL                |      |      |      |       |
| SAMPLE               |      |      |      |       |
| gp0016               |      |      |      |       |
| Interval Percentages |      |      |      |       |
| Yes                  |      |      |      |       |
| Other:               |      |      |      |       |
| Total in group:      |      |      |      |       |
|                      | 29 % | 31 % | 30 % | 0 %   |
|                      | 71 % | 69 % | 70 % | 100 % |
|                      | 87*  | 35*  | 47*  | 5*    |

V0138 Mobile comm systems use/opr - Milstar

| AFRC                 |       |       |       |       |
|----------------------|-------|-------|-------|-------|
| TOTAL                |       |       |       |       |
| SAMPLE               |       |       |       |       |
| gp0016               |       |       |       |       |
| Interval Percentages |       |       |       |       |
| Yes                  |       |       |       |       |
| Other:               |       |       |       |       |
| Total in group:      |       |       |       |       |
|                      | 0 %   | 0 %   | 0 %   | 0 %   |
|                      | 100 % | 100 % | 100 % | 100 % |
|                      | 87*   | 35*   | 47*   | 5*    |

V0139 Mobile comm systems use/opr - Radios, Backpack

| AFRC                 |      |      |      |      |
|----------------------|------|------|------|------|
| TOTAL                |      |      |      |      |
| SAMPLE               |      |      |      |      |
| gp0016               |      |      |      |      |
| Interval Percentages |      |      |      |      |
| Yes                  |      |      |      |      |
| Other:               |      |      |      |      |
| Total in group:      |      |      |      |      |
|                      | 47 % | 54 % | 45 % | 20 % |
|                      | 53 % | 46 % | 55 % | 80 % |
|                      | 87*  | 35*  | 47*  | 5*   |

V0140 Mobile comm systems use/opr - Radios, Handheld

|                      |  | AFRC   |        | 5-LVL  |        | 7-LVL |  | 9-LVL |  |
|----------------------|--|--------|--------|--------|--------|-------|--|-------|--|
|                      |  | TOTAL  | SAMPLE |        |        |       |  |       |  |
| Interval Percentages |  | gp0016 | gp0017 | gp0018 | gp0019 |       |  |       |  |
| Yes                  |  | 60 %   | 63 %   | 62 %   | 20 %   |       |  |       |  |
| Other:               |  | 40 %   | 37 %   | 38 %   | 80 %   |       |  |       |  |
| Total in group:      |  | 87*    | 35*    | 47*    | 5*     |       |  |       |  |

V0141 Mobile comm systems use/opr - Satellite Communications (SATCOM)

|                      |  | AFRC   |        | 5-LVL  |        | 7-LVL |  | 9-LVL |  |  |  |
|----------------------|--|--------|--------|--------|--------|-------|--|-------|--|--|--|
|                      |  | TOTAL  | SAMPLE |        |        |       |  |       |  |  |  |
| Interval Percentages |  | gp0016 | gp0017 | gp0018 | gp0019 |       |  |       |  |  |  |
| Yes                  |  | 47 %   | 51 %   | 47 %   | 20 %   |       |  |       |  |  |  |
| Other:               |  | 53 %   | 49 %   | 53 %   | 80 %   |       |  |       |  |  |  |
| Total in group:      |  | 87*    | 35*    | 47*    | 5*     |       |  |       |  |  |  |

V0142 Mobile comm systems use/opr - Transceivers, Portable

|                      |  | AFRC   |        | 5-LVL  |        | 7-LVL |  | 9-LVL |  |
|----------------------|--|--------|--------|--------|--------|-------|--|-------|--|
|                      |  | TOTAL  | SAMPLE |        |        |       |  |       |  |
| Interval Percentages |  | gp0016 | gp0017 | gp0018 | gp0019 |       |  |       |  |
| Yes                  |  | 53 %   | 54 %   | 57 %   | 0 %    |       |  |       |  |
| Other:               |  | 47 %   | 46 %   | 43 %   | 100 %  |       |  |       |  |
| Total in group:      |  | 87*    | 35*    | 47*    | 5*     |       |  |       |  |

V0143 Mobile comm systems use/opr - Transceivers, Vehicular

|                      |  | AFRC   |        | 5-LVL  |        | 7-LVL |  | 9-LVL |  |
|----------------------|--|--------|--------|--------|--------|-------|--|-------|--|
|                      |  | TOTAL  | SAMPLE |        |        |       |  |       |  |
| Interval Percentages |  | gp0016 | gp0017 | gp0018 | gp0019 |       |  |       |  |
| Yes                  |  | 25 %   | 26 %   | 28 %   | 0 %    |       |  |       |  |
| Other:               |  | 75 %   | 74 %   | 72 %   | 100 %  |       |  |       |  |
| Total in group:      |  | 87*    | 35*    | 47*    | 5*     |       |  |       |  |

V0144 Mobile comm systems use/opr - Other

| AFRC                 |      |      |      |       |
|----------------------|------|------|------|-------|
| TOTAL                |      |      |      |       |
| SAMPLE               |      |      |      |       |
| gp0016               |      |      |      |       |
| Interval Percentages |      |      |      |       |
| 5-LVL                |      |      |      |       |
| gp0017               |      |      |      |       |
| 7-LVL                |      |      |      |       |
| gp0018               |      |      |      |       |
| 9-LVL                |      |      |      |       |
| gp0019               |      |      |      |       |
| Yes                  | 5 %  | 6 %  | 4 %  | 0 %   |
| Other:               | 95 % | 94 % | 96 % | 100 % |
| Total in group:      | 87*  | 35*  | 47*  | 5*    |

V0145 Comm equip use/opr - None

| AFRC                 |      |      |      |       |
|----------------------|------|------|------|-------|
| TOTAL                |      |      |      |       |
| SAMPLE               |      |      |      |       |
| gp0016               |      |      |      |       |
| Interval Percentages |      |      |      |       |
| 5-LVL                |      |      |      |       |
| gp0017               |      |      |      |       |
| 7-LVL                |      |      |      |       |
| gp0018               |      |      |      |       |
| 9-LVL                |      |      |      |       |
| gp0019               |      |      |      |       |
| Yes                  | 5 %  | 9 %  | 2 %  | 0 %   |
| Other:               | 95 % | 91 % | 98 % | 100 % |
| Total in group:      | 87*  | 35*  | 47*  | 5*    |

V0146 Comm equip use/opr - Advanced Data Controllers (ADCs)

| AFRC                 |      |      |      |       |
|----------------------|------|------|------|-------|
| TOTAL                |      |      |      |       |
| SAMPLE               |      |      |      |       |
| gp0016               |      |      |      |       |
| Interval Percentages |      |      |      |       |
| 5-LVL                |      |      |      |       |
| gp0017               |      |      |      |       |
| 7-LVL                |      |      |      |       |
| gp0018               |      |      |      |       |
| 9-LVL                |      |      |      |       |
| gp0019               |      |      |      |       |
| Yes                  | 5 %  | 3 %  | 6 %  | 0 %   |
| Other:               | 95 % | 97 % | 94 % | 100 % |
| Total in group:      | 87*  | 35*  | 47*  | 5*    |

V0147 Comm equip use/opr - Automated Communications Management Systems (ACMSs)

| AFRC                 |      |       |      |       |
|----------------------|------|-------|------|-------|
| TOTAL                |      |       |      |       |
| SAMPLE               |      |       |      |       |
| gp0016               |      |       |      |       |
| Interval Percentages |      |       |      |       |
| 5-LVL                |      |       |      |       |
| gp0017               |      |       |      |       |
| 7-LVL                |      |       |      |       |
| gp0018               |      |       |      |       |
| 9-LVL                |      |       |      |       |
| gp0019               |      |       |      |       |
| Yes                  | 3 %  | 0 %   | 6 %  | 0 %   |
| Other:               | 97 % | 100 % | 94 % | 100 % |
| Total in group:      | 87*  | 35*   | 47*  | 5*    |



V0148 Comm equip use/opr - Cellular Phones

| AFRC                 |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| TOTAL                | SAMPLE | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |        |
| Yes                  | 33 %   | 23 %   | 43 %   | 20 %   |
| Other:               | 67 %   | 77 %   | 57 %   | 80 %   |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0149 Comm equip use/opr - Communication Planning Tools

| AFRC                 |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| TOTAL                | SAMPLE | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |        |
| Yes                  | 22 %   | 20 %   | 26 %   | 0 %    |
| Other:               | 78 %   | 80 %   | 74 %   | 100 %  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0150 Comm equip use/opr - Computer Equipment

| AFRC                 |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| TOTAL                | SAMPLE | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |        |
| Yes                  | 69 %   | 66 %   | 74 %   | 40 %   |
| Other:               | 31 %   | 34 %   | 26 %   | 60 %   |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0151 Comm equip use/opr - Cryptographic Equipment

| AFRC                 |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| TOTAL                | SAMPLE | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |        |
| Yes                  | 64 %   | 63 %   | 68 %   | 40 %   |
| Other:               | 36 %   | 37 %   | 32 %   | 60 %   |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0152 Comm equip use/opr - Defense Message Systems (DMSs)

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 11 %   | 15 %   | 0 %    |
| Other:               | 89 %   | 85 %   | 100 %  |
| Total in group:      | 87*    | 47*    | 5*     |

V0153 Comm equip use/opr - Facsimile Equipment

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 43 %   | 45 %   | 20 %   |
| Other:               | 57 %   | 55 %   | 80 %   |
| Total in group:      | 87*    | 47*    | 5*     |

V0154 Comm equip use/opr - Global Positioning Satellites (GPSs)

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 17 %   | 21 %   | 20 %   |
| Other:               | 83 %   | 79 %   | 80 %   |
| Total in group:      | 87*    | 47*    | 5*     |

V0155 Comm equip use/opr - Land Mobile Radios (LMRs)

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 69 %   | 70 %   | 40 %   |
| Other:               | 31 %   | 30 %   | 60 %   |
| Total in group:      | 87*    | 47*    | 5*     |

V0156 Comm equip use/opr - LMR Repeaters

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 39 %   | 45 %   | 20 %   |
| Other:               | 61 %   | 55 %   | 80 %   |
| Total in group:      | 87*    | 47*    | 5*     |

V0157 Comm equip use/opr - Mobile Antenna Systems

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 60 %   | 64 %   | 40 %   |
| Other:               | 40 %   | 36 %   | 60 %   |
| Total in group:      | 87*    | 47*    | 5*     |

V0158 Comm equip use/opr - Printers

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 80 %   | 81 %   | 80 %   |
| Other:               | 20 %   | 19 %   | 20 %   |
| Total in group:      | 87*    | 47*    | 5*     |

V0159 Comm equip use/opr - Radio Equipment

| AFRC                 |        |        |        |
|----------------------|--------|--------|--------|
| TOTAL                | 5-LVL  | 7-LVL  | 9-LVL  |
| SAMPLE               |        |        |        |
| gp0016               | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |
| Yes                  | 70 %   | 68 %   | 60 %   |
| Other:               | 30 %   | 32 %   | 40 %   |
| Total in group:      | 87*    | 47*    | 5*     |

V0160 Comm equip use/opr - Radio Teletype Equipment

|                      | AFRC   | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| Interval Percentages | TOTAL  |        |        |        |
|                      | SAMPLE |        |        |        |
|                      | gp0016 | gp0017 | gp0018 | gp0019 |
| Yes                  | 13 %   | 11 %   | 15 %   | 0 %    |
| Other:               | 87 %   | 89 %   | 85 %   | 100 %  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0161 Comm equip use/opr - Remote Monitoring Systems

|                      | AFRC   | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| Interval Percentages | TOTAL  |        |        |        |
|                      | SAMPLE |        |        |        |
|                      | gp0016 | gp0017 | gp0018 | gp0019 |
| Yes                  | 17 %   | 26 %   | 13 %   | 0 %    |
| Other:               | 83 %   | 74 %   | 87 %   | 100 %  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0162 Comm equip use/opr - Satellite Communications Equipment

|                      | AFRC   | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| Interval Percentages | TOTAL  |        |        |        |
|                      | SAMPLE |        |        |        |
|                      | gp0016 | gp0017 | gp0018 | gp0019 |
| Yes                  | 49 %   | 46 %   | 55 %   | 20 %   |
| Other:               | 51 %   | 54 %   | 45 %   | 80 %   |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0163 Comm equip use/opr - Scanners

|                      | AFRC   | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| Interval Percentages | TOTAL  |        |        |        |
|                      | SAMPLE |        |        |        |
|                      | gp0016 | gp0017 | gp0018 | gp0019 |
| Yes                  | 21 %   | 17 %   | 26 %   | 0 %    |
| Other:               | 79 %   | 83 %   | 74 %   | 100 %  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0164 Comm equip use/opr - Secured Telephones

| AFRC                 |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| TOTAL                | SAMPLE | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |        |
| Yes                  | 75 %   | 63 %   | 85 %   | 60 %   |
| Other:               | 25 %   | 37 %   | 15 %   | 40 %   |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0165 Comm equip use/opr - Switchboard Equipment

| AFRC                 |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| TOTAL                | SAMPLE | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |        |
| Yes                  | 5 %    | 6 %    | 4 %    | 0 %    |
| Other:               | 95 %   | 94 %   | 96 %   | 100 %  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0166 Comm equip use/opr - Tape Recorders

| AFRC                 |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| TOTAL                | SAMPLE | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |        |
| Yes                  | 7 %    | 3 %    | 11 %   | 0 %    |
| Other:               | 93 %   | 97 %   | 89 %   | 100 %  |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0167 Comm equip use/opr - Telephones

| AFRC                 |        | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|--------|--------|--------|--------|
| TOTAL                | SAMPLE | gp0017 | gp0018 | gp0019 |
| Interval Percentages |        |        |        |        |
| Yes                  | 75 %   | 63 %   | 83 %   | 80 %   |
| Other:               | 25 %   | 37 %   | 17 %   | 20 %   |
| Total in group:      | 87*    | 35*    | 47*    | 5*     |

V0168 Comm equip use/opr - Time Distribution Subsystem Preprocessors (TDSPPs)

| AFRC                 |       | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|-------|--------|--------|--------|
| TOTAL                |       |        |        |        |
| SAMPLE               |       |        |        |        |
| gp0016               |       | gp0017 | gp0018 | gp0019 |
| Interval Percentages |       |        |        |        |
| Yes                  | 0 %   | 0 %    | 0 %    | 0 %    |
| Other:               | 100 % | 100 %  | 100 %  | 100 %  |
| Total in group:      | 87*   | 35*    | 47*    | 5*     |

V0169 Comm equip use/opr - Transmission Security (TRANSEC) Equipment

| AFRC                 |      | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0016               |      | gp0017 | gp0018 | gp0019 |
| Interval Percentages |      |        |        |        |
| Yes                  | 20 % | 20 %   | 21 %   | 0 %    |
| Other:               | 80 % | 80 %   | 79 %   | 100 %  |
| Total in group:      | 87*  | 35*    | 47*    | 5*     |

V0170 Comm equip use/opr - Other

| AFRC                 |      | 5-LVL  | 7-LVL  | 9-LVL  |
|----------------------|------|--------|--------|--------|
| TOTAL                |      |        |        |        |
| SAMPLE               |      |        |        |        |
| gp0016               |      | gp0017 | gp0018 | gp0019 |
| Interval Percentages |      |        |        |        |
| Yes                  | 6 %  | 6 %    | 4 %    | 20 %   |
| Other:               | 94 % | 94 %   | 96 %   | 80 %   |
| Total in group:      | 87*  | 35*    | 47*    | 5*     |